

RHP Series – High Performance (AGM)

The industry standard. The perfect balance between service life and cost.

The RHP Series is the industrial standard for critical infrastructures demanding unwavering reliability. These batteries hold a EUROBAT 'High Performance' classification with a 10 to 12-year design life, thanks to robust construction with reinforced plates that better withstand corrosion. Its internal engineering is optimized to provide high energy density and consistent response in industrial backup systems. By utilizing high-purity raw materials, the RHP series ensures superior charge acceptance and constant voltage stability throughout its entire operational life.



MODELS	NOMINAL VOLTAGE	CAPACITY	DESIGN LIFE
24	6 V, 12 V	33–250 Ah	12 years
WARRANTY	EUROBAT		
2 years	10-12 Years (High Performance)		

✓ Key features

- Service Life:** 10-12 years design life
- Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- Reliability:** Consistent performance in critical backup
- Efficiency:** High gas recombination efficiency

⚙ Applications

- Telecommunications and Base Stations**
Critical backup for network infrastructures and mobile base stations in remote locations with extreme weather conditions.
- UPS and Data Centers**

✓ Standards and certifications

- CE CERTIFIED
- ISO 9001 / 14001
- GB/T19639
- IEC 61056
- JIS C8702

 RHP series models

Each model links to its datasheet with discharge tables, dimensions and charge parameters. Rated capacity at 25 °C; C20 = 20-hour rate.

Model	Nominal Voltage	Capacity	Length (mm)	Width (mm)	Height (mm)	Weight (kgs)	Terminal
RHP6-200 (formerly RKE6-200)	6 V	200 Ah (C20)	306	168	220	29	F12
RHP6-225 (formerly RKE6-225)	6 V	225 Ah (C20)	320	176	225	32	F12
RHP12-33 (formerly RKE12-33)	12 V	33 Ah (C10)	195	130	155	10.2	F11
RHP12-35 (formerly RKE12-35)	12 V	35 Ah (C10)	195	130	155	10.5	F11
RHP12-36 (formerly RKE12-36)	12 V	36 Ah (C10)	197	165	170	12.3	F11
RHP12-38 (formerly RKE12-38)	12 V	38 Ah (C10)	197	165	170	12.3	F11
RHP12-40 (formerly RKE12-40)	12 V	40 Ah (C10)	197	165	170	13	F11
RHP12-45 (formerly RKE12-45)	12 V	45 Ah (C20)	197	165	170	13.1	F11
RHP12-50 (formerly RKE12-50)	12 V	50 Ah (C10)	229	138	208	20.5	F11
RHP12-55 (formerly RKE12-55)	12 V	55 Ah (C10)	229	138	208	16.5	F14
RHP12-60 (formerly RKE12-60)	12 V	60 Ah (C10)	260	168	211	20	F11
RHP12-65 (formerly RKE12-65)	12 V	65 Ah (C10)	350	167	179	20.5	F11
RHP12-70 (formerly RKE12-70)	12 V	70 Ah (C10)	260	169	211	21.5	F11
RHP12-75 (formerly RKE12-75)	12 V	75 Ah (C20)	260	169	208	22.5	F11
RHP12-80 (formerly RKE12-80)	12 V	80 Ah (C10)	350	167	179	23	F11
RHP12-90 (formerly RKE12-90)	12 V	90 Ah (C20)	306	169	208	26.5	F11
RHP12-100 (formerly RKE12-100)	12 V	100 Ah (C10)	328	171	214	30	F14
RHP12-110 (formerly RKE12-110)	12 V	110 Ah (C10)	395	110	285	32.5	F14
RHP12-120 (formerly RKE12-120)	12 V	120 Ah (C10)	410	176	227	34	F13
RHP12-135 (formerly RKE12-135)	12 V	135 Ah (C20)	342	172	273	42	F13
RHP12-150 (formerly RKE12-150)	12 V	150 Ah (C10)	485	172	240	44	F12
RHP12-160 (formerly RKE12-160)	12 V	160 Ah (C10)	522	238	218	47.1	F13
RHP12-200 (formerly RKE12-200)	12 V	200 Ah (C10)	522	238	218	60	F12
RHP12-250 (formerly RKE12-250)	12 V	250 Ah (C10)	520	269	220	70	F12

Construction

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

The industry standard. The perfect balance between service life and cost.

The RHP6-200 is a 6 V, 200 Ah (20-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 306 × 168 × 220 mm and weighs 29 kg, with F12 terminals. It stores 1.2 kWh and delivers up to 1000 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE6-200**.

Nominal Voltage	6 V
Capacity (25°C)	200 Ah (C20)
Energy	1200 Wh
Weight	29 kg
Terminal	F12
Dimensions	306 × 168 × 220 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

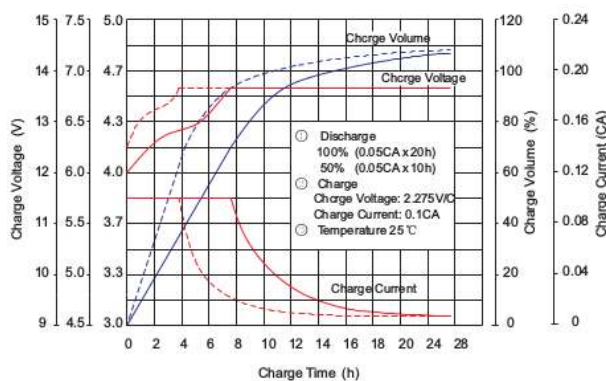
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	299A	271A	249A	177A	115A	51.7A	34.6A	19.5A	0.33A
10.80 V	349A	301A	273A	187A	121A	53.4A	35.5A	20A	10.5A
10.50 V	395A	331A	293A	196A	125A	54.5A	36.4A	20.4A	10.7A
10.20 V	454A	356A	316A	203A	127A	55.3A	36.8A	20.7A	10.9A
10.02 V	509A	392A	334A	211A	130A	56A	37.1A	20.9A	11.2A
9.60 V	570A	425A	355A	221A	134A	56.7A	37.6A	21.2A	11.4A

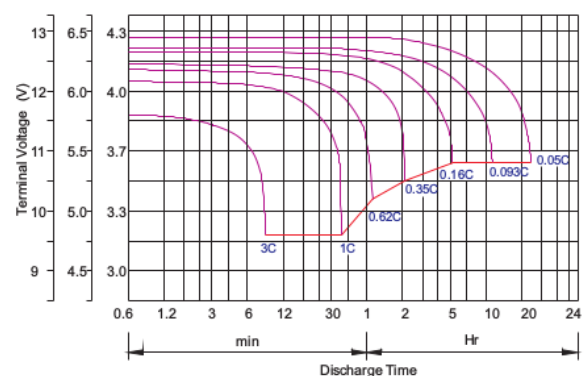
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	563W	514W	476W	340W	224W	91.3W	61.7W	35W	18.5W
10.80 V	646W	564W	517W	357W	232W	93.6W	62.7W	35.8W	18.9W
10.50 V	722W	614W	549W	370W	237W	94.6W	63.7W	36.2W	19.1W
10.20 V	820W	653W	585W	380W	240W	95.3W	64W	36.4W	19.3W
10.02 V	907W	711W	614W	392W	244W	95.8W	64.1W	36.6W	19.6W
9.60 V	1004W	764W	647W	408W	249W	96.3W	64.5W	36.9W	19.9W

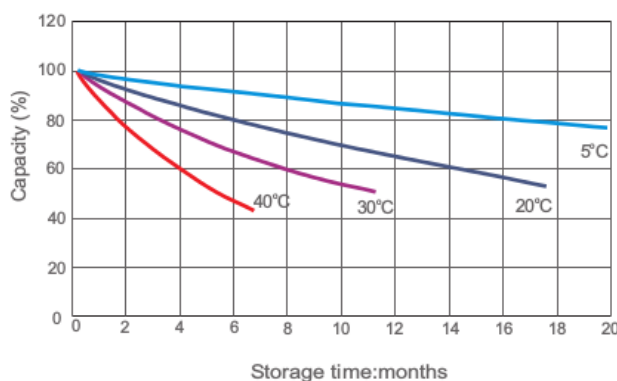
CHARGE CHARACTERISTICS



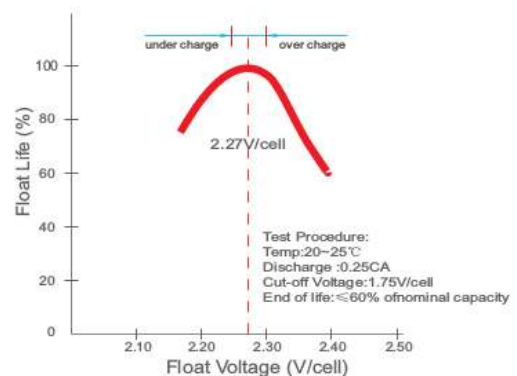
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	6 V
Capacity (25°C)	200 Ah (C20)
Energy	1200 Wh
Cell number	3
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	60 A
Max. Discharge Current	1000 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP6-200** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

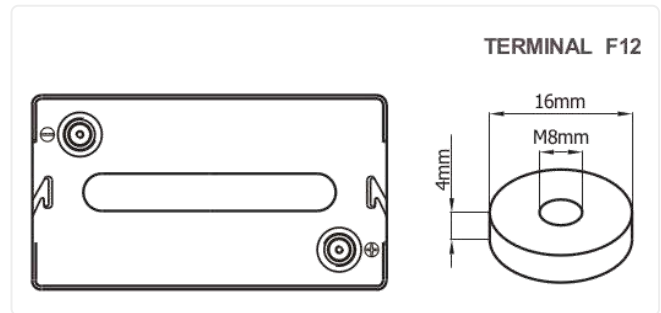
Length: 306 mm

Width: 168 mm

Height: 220 mm

Total Height: 226 mm

Weight: 29 kg



2. TERMINAL CONFIGURATION (F12)

Terminals: Ensure your system's connectors match the F12 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 60 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP6-225 (6 V · 225 Ah) · [See all RHP series models](#)

Specialized Technical Support
<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP6-225 is a 6 V, 225 Ah (20-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 320 × 176 × 225 mm and weighs 32 kg, with F12 terminals. It stores 1.35 kWh and delivers up to 1000 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly RKE6-225.

Nominal Voltage	6 V
Capacity (25°C)	225 Ah (C20)
Energy	1350 Wh
Weight	32 kg
Terminal	F12
Dimensions	320 × 176 × 225 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

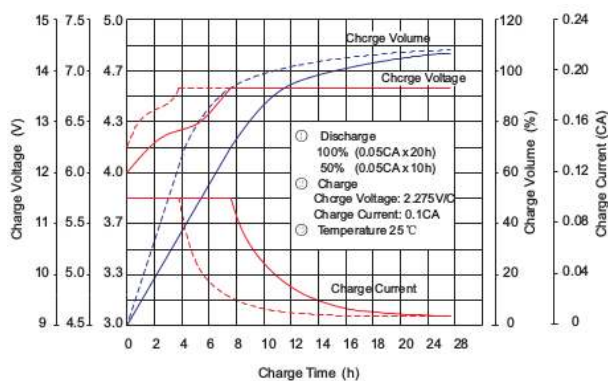
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
5.55 V	336A	304A	280A	199A	115A	58.1A	39A	21.9A	11.5A
5.40 V	393A	338A	308A	211A	121A	60.1A	39.9A	22.5A	11.8A
5.25 V	444A	372A	330A	221A	125A	61.2A	40.9A	23A	12A
5.10 V	511A	400A	355A	228A	127A	62.3A	41.4A	23.3A	12.3A
5.01 V	572A	441A	376A	237A	130A	63A	41.8A	23.6A	12.6A
4.80 V	642A	478A	399A	248A	134A	63.8A	42.3A	23.9A	12.8A

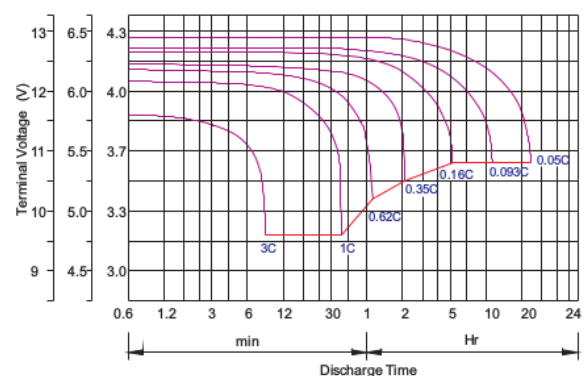
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
5.55 V	633W	770W	536W	383W	252W	114W	77.1W	43.8W	23.2W
5.40 V	727W	798W	592W	402W	261W	117W	78.4W	44.7W	23.6W
5.25 V	812W	810W	638W	416W	267W	118W	79.6W	45.2W	23.9W
5.10 V	922W	825W	679W	428W	270W	119W	80W	45.5W	24.2W
5.01 V	1020W	849W	710W	441W	275W	120W	80.2W	45.8W	24.5W
4.80 V	1129W	859W	757W	459W	281W	120W	80.6W	46.1W	24.9W

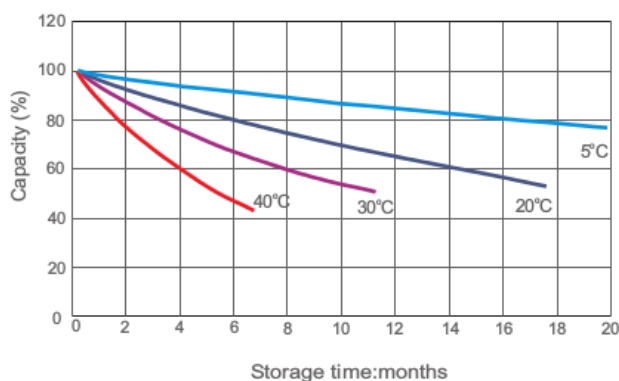
CHARGE CHARACTERISTICS



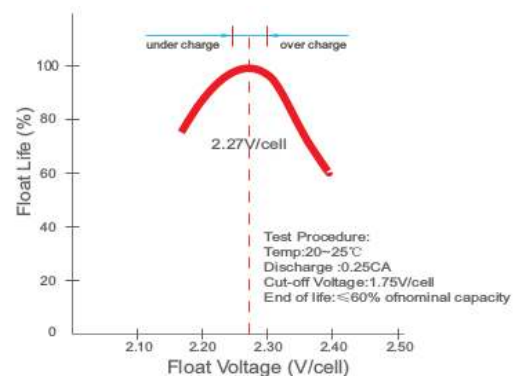
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	6 V
Capacity (25°C)	225 Ah (C20)
Energy	1350 Wh
Cell number	3
Charge Voltage (25°C)	Cycle use: 7.2-7.4V (-30mV/C), max. Current 2.1A Float use: 6.8-6.9V (-20mV/C)
Max. Charge Current	67.5 A
Max. Discharge Current	1000 A
Internal Resistance	29 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your REKOSER RHP6-225 battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

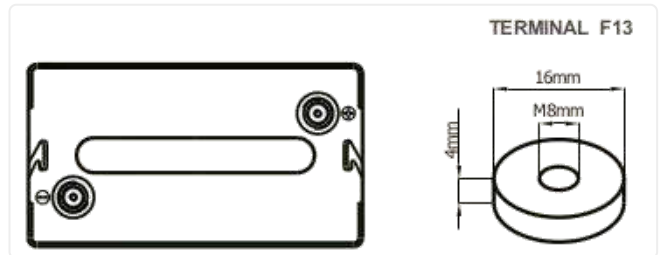
Length: 320 mm

Width: 176 mm

Height: 225 mm

Total Height: 229 mm

Weight: 32 kg



2. TERMINAL CONFIGURATION (F12)

Terminals: Ensure your system's connectors match the F12 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 7.2-7.4V (-30mV/C), max. Current 2.1A

Float use: 6.8-6.9V (-20mV/C)

Maximum Current: Do not exceed 67.5 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP6-200 (6 V · 200 Ah) · [See all RHP series models](#)

Specialized Technical Support
<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-33 is a 12 V, 33 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 195 × 130 × 155 mm and weighs 10.2 kg, with F11 terminals. It stores 396 Wh and delivers up to 400 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-33**.



MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

Nominal Voltage	12 V
Capacity (25°C)	33 Ah (C10)
Energy	396 Wh
Weight	10.2 kg
Terminal	F11
Dimensions	195 × 130 × 155 mm

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

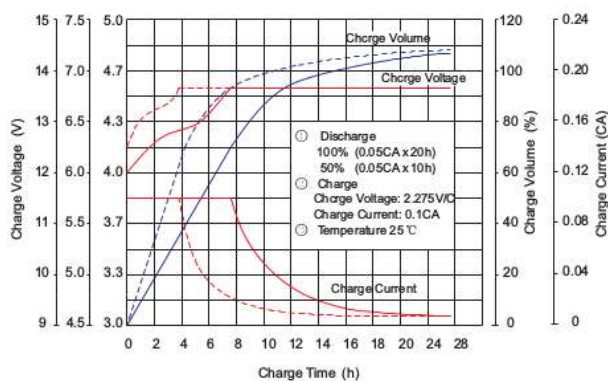
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	87.4A	68.4A	58A	35.6A	21.2A	9.2A	5.93A	3.27A	1.67A
10.80 V	98.8A	72.6A	59.5A	36.4A	21.6A	9.32A	5.99A	3.31A	1.71A
10.50 V	110A	76.8A	60.9A	37A	22A	9.46A	6.06A	3.35A	1.75A
10.20 V	121A	80.4A	62.5A	37.9A	22.4A	9.56A	6.14A	3.39A	1.79A
10.02 V	130A	84A	64.1A	38.6A	22.8A	9.64A	6.22A	3.43A	1.82A
9.60 V	140A	87A	66.4A	39.5A	23A	9.74A	6.29A	3.47A	1.86A

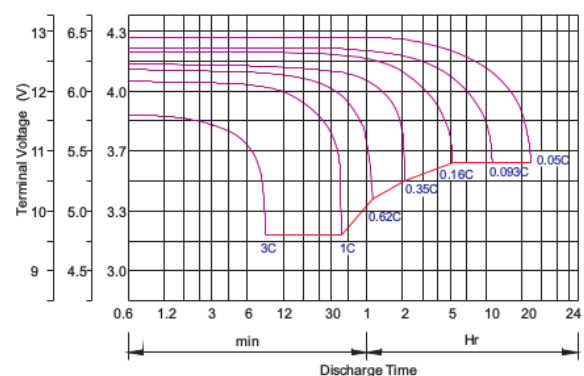
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	165W	130W	111W	68.6W	41.2W	17.9W	11.5W	6.53W	3.35W
10.80 V	183W	136W	112W	69.3W	41.4W	18W	11.6W	6.57W	3.42W
10.50 V	202W	143W	114W	70W	41.9W	18.1W	11.7W	6.6W	3.47W
10.20 V	218W	148W	116W	71W	42.3W	18.2W	11.8W	6.63W	3.53W
10.02 V	232W	153W	118W	71.7W	42.7W	18.3W	11.9W	6.66W	3.56W
9.60 V	247W	156W	121W	73W	42.9W	18.4W	12W	6.7W	3.6W

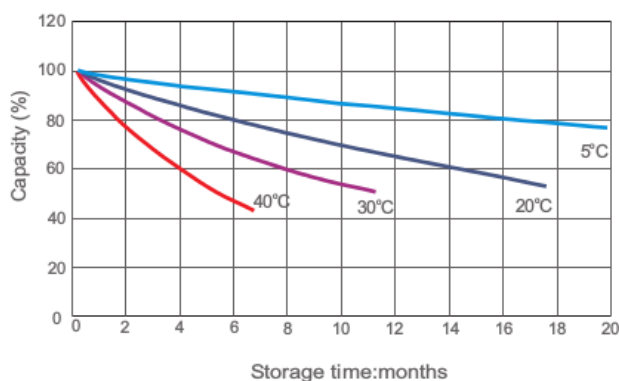
CHARGE CHARACTERISTICS



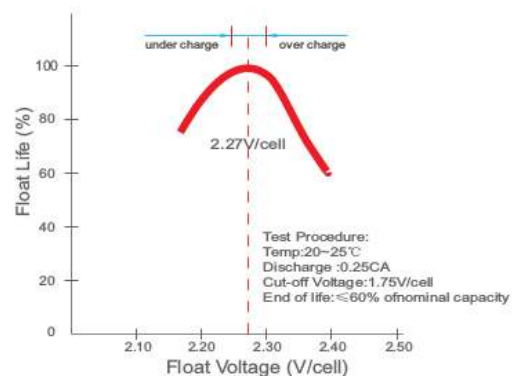
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	33 Ah (C10), 35 Ah (C20)
Energy	396 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	10 A
Max. Discharge Current	400 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-33** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

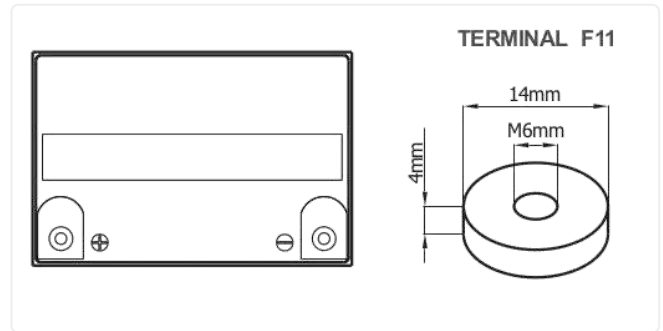
Length: 195 mm

Width: 130 mm

Height: 155 mm

Total Height: 168 mm

Weight: 10.2 kg



2. TERMINAL CONFIGURATION (F11)

Terminals: Ensure your system's connectors match the F11 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 10 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-35 (12 V · 35 Ah) · [See all RHP series models](#)

Specialized Technical Support
<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-35 is a 12 V, 35 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 195 × 130 × 155 mm and weighs 10.5 kg, with F11 terminals. It stores 420 Wh and delivers up to 350 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-35**.

Nominal Voltage	12 V
Capacity (25°C)	35 Ah (C10)
Energy	420 Wh
Weight	10.5 kg
Terminal	F11
Dimensions	195 × 130 × 155 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

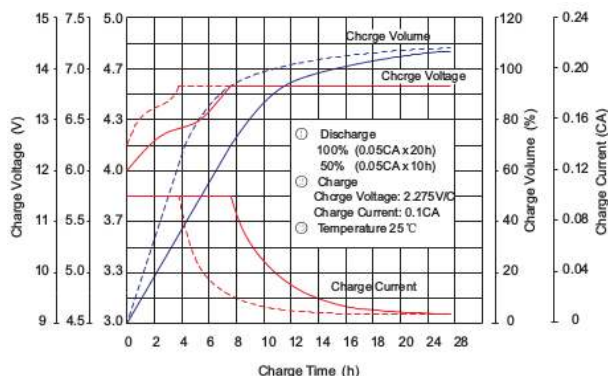
Constant Discharge Ratings (A) at 25°C

F.V / Time	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
10.80 V	61.7A	49.7A	31.3A	19.8A	8.49A	5.94A	3.5A	1.84A
10.50 V	65.4A	52.4A	32.4A	20.4A	8.75A	6.13A	3.52A	1.85A
10.20 V	68.4A	54.3A	33.3A	20.8A	8.81A	6.17A	3.55A	1.86A
10.02 V	71.3A	56.4A	34.3A	21.4A	8.87A	6.21A	3.56A	1.87A
9.60 V	73.5A	57.8A	35A	21.7A	8.93A	6.25A	3.56A	1.87A

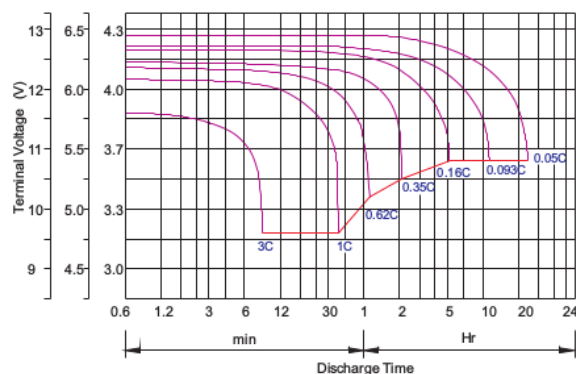
Constant Discharge Ratings (W) at 25°C

F.V / Time	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
10.80 V	667W	545W	351W	266W	99.8W	70.2W	41.8W	22.1W
10.50 V	706W	576W	364W	233W	103W	72.4W	42.1W	22.2W
10.20 V	738W	596W	373W	237W	104W	72.9W	42.3W	22.3W
10.02 V	770W	619W	385W	244W	104W	73.4W	42.5W	22.4W
9.60 V	794W	634W	393W	247W	105W	73.8W	42.5W	22.4W

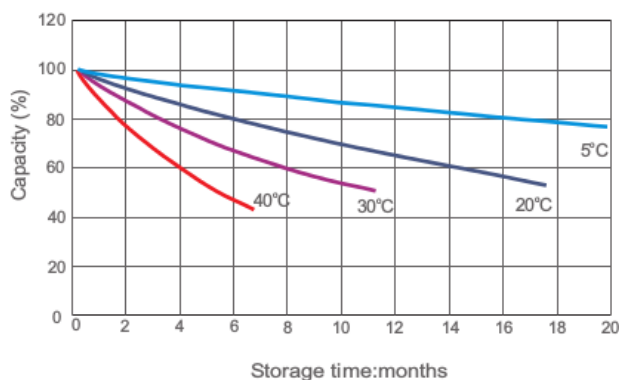
CHARGE CHARACTERISTICS



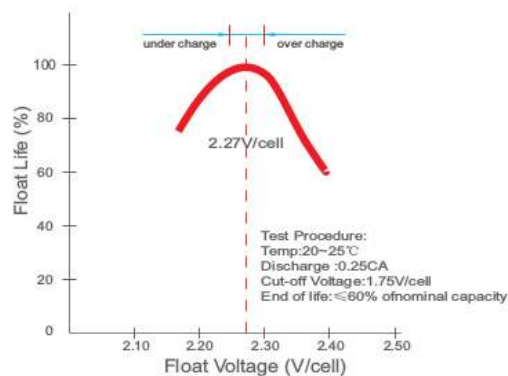
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	35 Ah (C10)
Energy	420 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	10.5 A
Max. Discharge Current	350 A
Internal Resistance	9 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-35** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

Length: 195 mm

Width: 130 mm

Height: 155 mm

Total Height: 168 mm

Weight: 10.5 kg

2. TERMINAL CONFIGURATION (F11)

Terminals: Ensure your system's connectors match the F11 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 10.5 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-33 (12 V · 33 Ah) · **RHP12-36** (12 V · 36 Ah) · [See all RHP series models](#)

Specialized Technical Support
<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-36 is a 12 V, 36 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 197 × 165 × 170 mm and weighs 12.3 kg, with F11 terminals. It stores 432 Wh and delivers up to 400 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-36**.

Nominal Voltage	12 V
Capacity (25°C)	36 Ah (C10)
Energy	432 Wh
Weight	12.3 kg
Terminal	F11
Dimensions	197 × 165 × 170 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

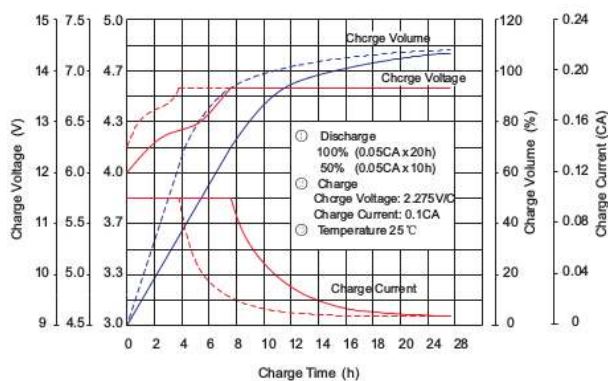
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	59.8A	53.6A	48.8A	34.3A	22.1A	9.82A	6.58A	3.7A	1.95A
10.80 V	69.8A	59.5A	53.5A	36.3A	23.1A	10.1A	6.74A	3.8A	1.99A
10.50 V	78.9A	65.4A	57.4A	38A	23.9A	10.3A	6.91A	3.88A	2.03A
10.20 V	90.8A	70.4A	61.8A	39.4A	24.4A	10.5A	7A	3.93A	2.07A
10.02 V	102A	77.5A	65.4A	40.9A	25A	10.6A	7.05A	3.98A	2.12A
9.60 V	114A	84.1A	69.5A	42.8A	25.7A	10.8A	7.15A	4.03A	2.17A

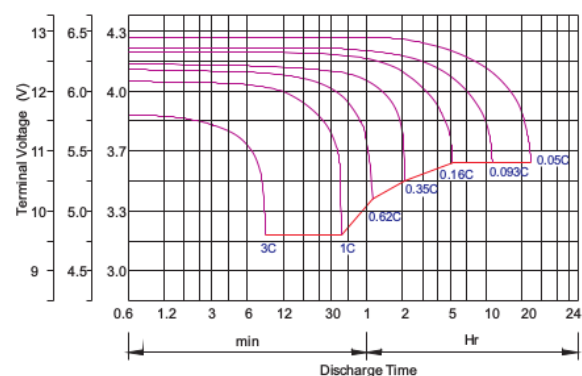
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	113W	102W	93.2W	66W	42.9W	19.3W	13W	7.4W	3.92W
10.80 V	129W	112W	101W	69.2W	44.4W	19.8W	13.2W	7.55W	3.98W
10.50 V	144W	121W	108W	71.8W	45.6W	20W	13.4W	7.64W	4.03W
10.20 V	164W	129W	115W	73.7W	46.1W	20.1W	13.5W	7.69W	4.08W
10.02 V	181W	141W	120W	76W	46.9W	20.2W	13.5W	7.73W	4.14W
9.60 V	201W	151W	127W	79.1W	47.9W	20.3W	13.6W	7.78W	4.21W

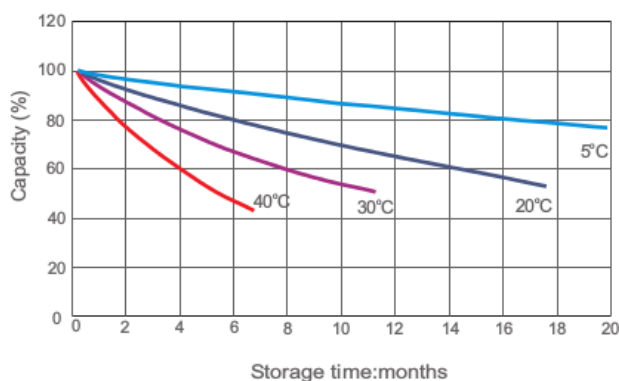
CHARGE CHARACTERISTICS



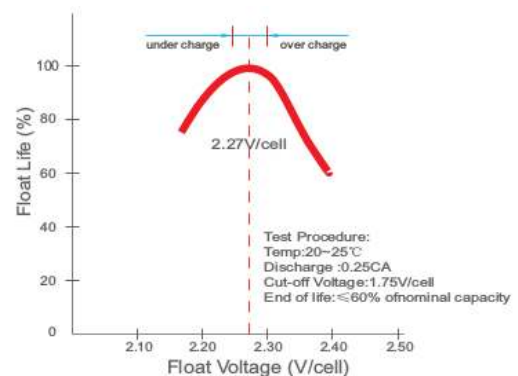
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	36 Ah (C10), 39.8 Ah (C20)
Energy	432 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	11.4 A
Max. Discharge Current	400 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-36** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

Length: 197 mm

Width: 165 mm

Height: 170 mm

Total Height: 170 mm

Weight: 12.3 kg

2. TERMINAL CONFIGURATION (F11)

Terminals: Ensure your system's connectors match the F11 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 11.4 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-35 (12 V · 35 Ah) · **RHP12-38** (12 V · 38 Ah) · [See all RHP series models](#)

Specialized Technical Support
<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-38 is a 12 V, 38 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 197 × 165 × 170 mm and weighs 12.3 kg, with F11 terminals. It stores 456 Wh and delivers up to 400 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-38**.

Nominal Voltage	12 V
Capacity (25°C)	38 Ah (C10)
Energy	456 Wh
Weight	12.3 kg
Terminal	F11
Dimensions	197 × 165 × 170 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

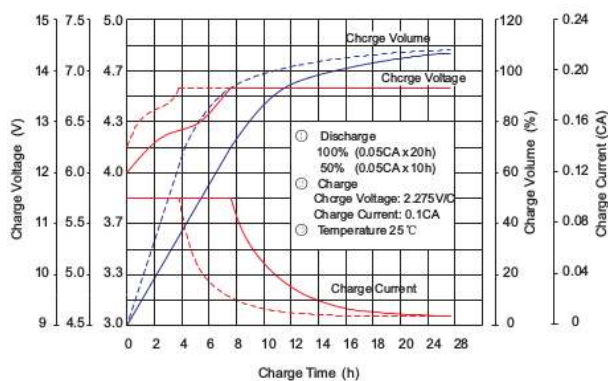
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	59.8A	53.6A	48.8A	34.3A	22.1A	9.82A	6.58A	3.7A	1.95A
10.80 V	69.8A	59.5A	53.5A	36.3A	23.1A	10.1A	6.74A	3.8A	1.99A
10.50 V	78.9A	65.4A	57.4A	38A	23.9A	10.3A	6.91A	3.88A	2.03A
10.20 V	90.8A	70.4A	61.8A	39.4A	24.4A	10.5A	7A	3.93A	2.07A
10.02 V	102A	77.5A	65.4A	40.9A	25A	10.6A	7.05A	3.98A	2.12A
9.60 V	114A	84.1A	69.5A	42.8A	25.7A	10.8A	7.15A	4.03A	2.17A

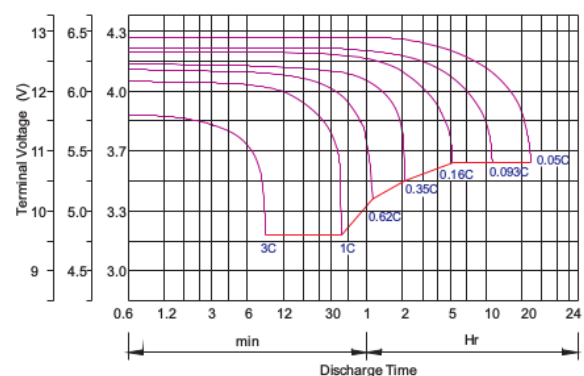
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	113W	102W	93.2W	66W	42.9W	19.3W	13W	7.4W	3.92W
10.80 V	129W	112W	101W	69.2W	44.4W	19.8W	13.2W	7.55W	3.98W
10.50 V	144W	121W	108W	71.8W	45.6W	20W	13.4W	7.64W	4.03W
10.20 V	164W	129W	115W	73.7W	46.1W	20.1W	13.5W	7.69W	4.08W
10.02 V	181W	141W	120W	76W	46.9W	20.2W	13.5W	7.73W	4.14W
9.60 V	201W	151W	127W	79.1W	47.9W	20.3W	13.6W	7.78W	4.21W

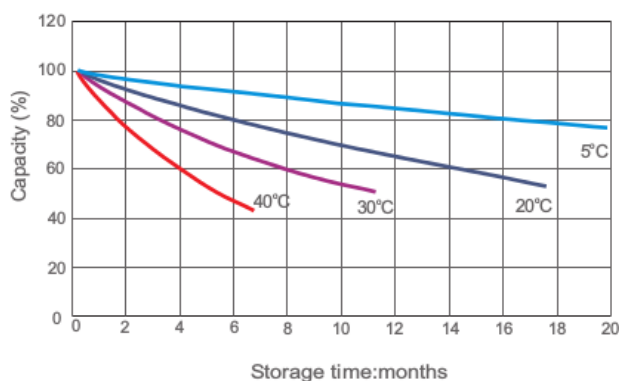
CHARGE CHARACTERISTICS



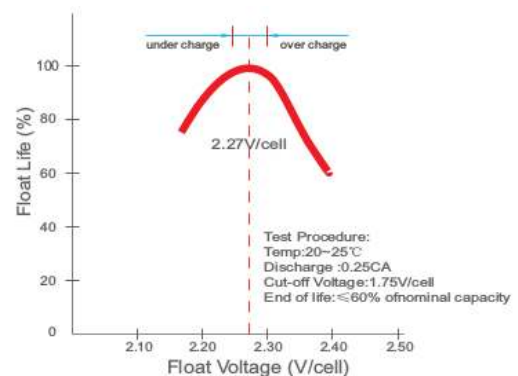
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	38 Ah (C10), 39.8 Ah (C20)
Energy	456 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	11.4 A
Max. Discharge Current	400 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-38** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

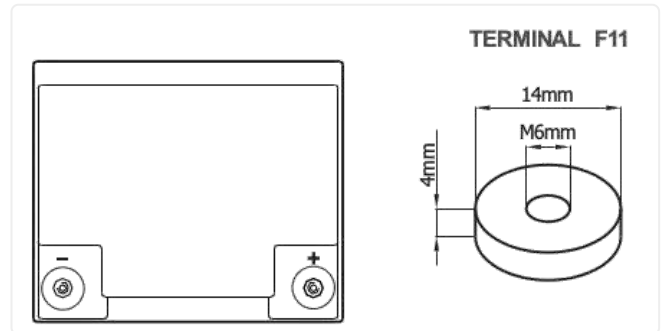
Length: 197 mm

Width: 165 mm

Height: 170 mm

Total Height: 170 mm

Weight: 12.3 kg



2. TERMINAL CONFIGURATION (F11)

Terminals: Ensure your system's connectors match the F11 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 11.4 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-36 (12 V · 36 Ah) · **RHP12-40** (12 V · 40 Ah) · [See all RHP series models](#)

Specialized Technical Support
<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-40 is a 12 V, 40 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 197 × 165 × 170 mm and weighs 13 kg, with F11 terminals. It stores 480 Wh and delivers up to 400 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-40**.



MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

Nominal Voltage	12 V
Capacity (25°C)	40 Ah (C10)
Energy	480 Wh
Weight	13 kg
Terminal	F11
Dimensions	197 × 165 × 170 mm

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

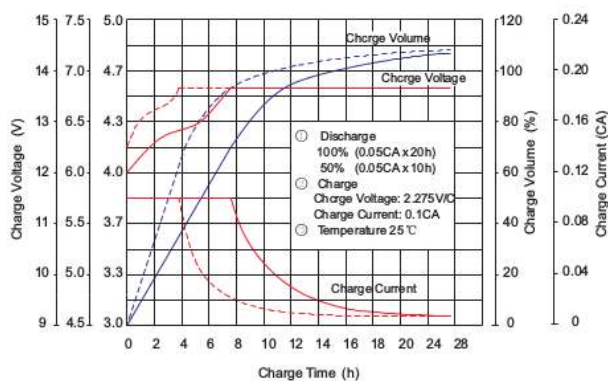
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	62.9A	56.4A	51.4A	36.1A	23.3A	10.3A	6.93A	3.9A	2.05A
10.80 V	73.5A	62.6A	56.4A	38.2A	24.4A	10.7A	7.1A	4A	2.1A
10.50 V	83.1A	68.9A	60.4A	40A	25.2A	10.9A	7.27A	4.08A	2.14A
10.20 V	95.6A	74.1A	65.1A	41.4A	25.7A	11.1A	7.37A	4.14A	2.18A
10.02 V	107A	81.6A	68.9A	43A	26.3A	11.2A	7.42A	4.19A	2.23A
9.60 V	120A	88.5A	73.1A	45A	27A	11.3A	7.53A	4.24A	2.28A

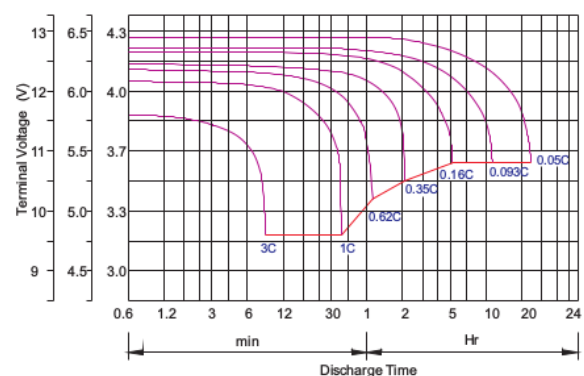
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	118W	107W	98.1W	69.5W	45.2W	20.3W	13.7W	7.79W	4.12W
10.80 V	136W	118W	107W	72.9W	46.8W	20.8W	13.9W	7.95W	4.19W
10.50 V	152W	128W	113W	75.5W	47.9W	21W	14.2W	8.04W	4.24W
10.20 V	173W	136W	121W	77.6W	48.6W	21.2W	14.2W	8.09W	4.3W
10.02 V	191W	148W	127W	80W	49.4W	21.3W	14.3W	8.14W	4.36W
9.60 V	211W	159W	133W	83.2W	50.4W	21.4W	14.3W	8.19W	4.43W

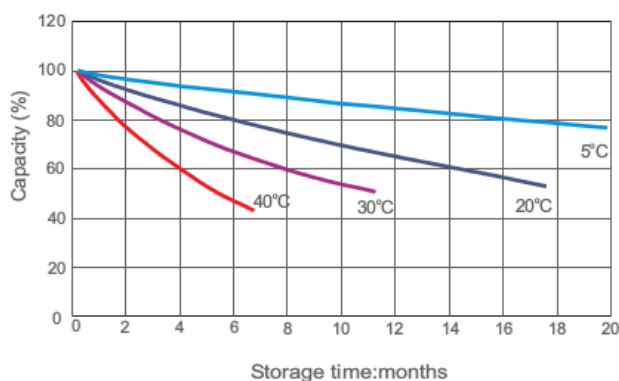
CHARGE CHARACTERISTICS



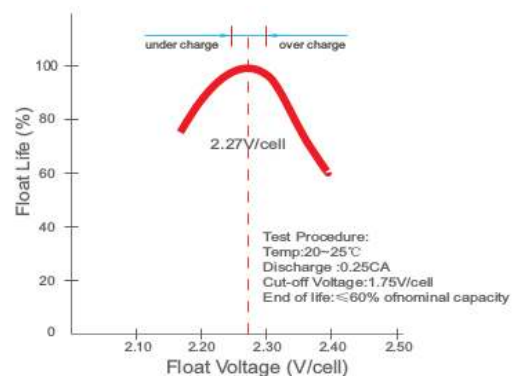
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	40 Ah (C10), 42 Ah (C20)
Energy	480 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	12 A
Max. Discharge Current	400 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-40** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

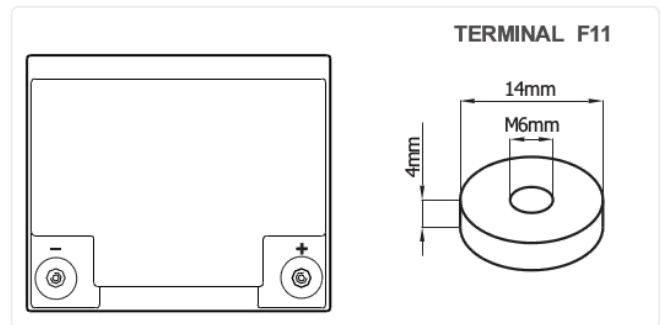
Length: 197 mm

Width: 165 mm

Height: 170 mm

Total Height: 170 mm

Weight: 13 kg



2. TERMINAL CONFIGURATION (F11)

Terminals: Ensure your system's connectors match the F11 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 12 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-38 (12 V · 38 Ah) · **RHP12-45** (12 V · 45 Ah) · [See all RHP series models](#)

Specialized Technical Support
<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-45 is a 12 V, 45 Ah (20-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 197 × 165 × 170 mm and weighs 13.1 kg, with F11 terminals. It stores 540 Wh and delivers up to 400 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-45**.



MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

Nominal Voltage	12 V
Capacity (25°C)	45 Ah (C20)
Energy	540 Wh
Weight	13.1 kg
Terminal	F11
Dimensions	197 × 165 × 170 mm

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

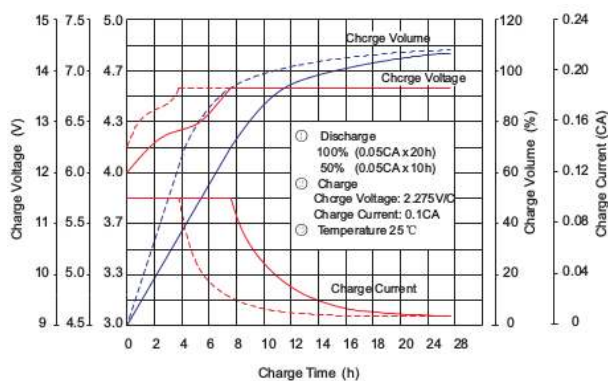
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	70.8A	63.4A	57.8A	40.6A	26.2A	11.6A	7.79A	4.38A	2.31A
10.80 V	82.7A	70.5A	63.4A	43A	27.4A	12A	7.98A	4.5A	2.36A
10.50 V	93.5A	77.5A	68A	45A	28.3A	12.3A	8.18A	4.59A	2.51A
10.20 V	108A	83.4A	73.2A	46.6A	28.9A	12.55A	8.29A	4.65A	2.45A
10.02 V	120A	91.8A	77.5A	48.4A	29.6A	12.6A	8.35A	4.71A	2.51A
9.60 V	135A	100A	82.3A	50.7A	30.4A	12.8A	8.47A	4.77A	2.57A

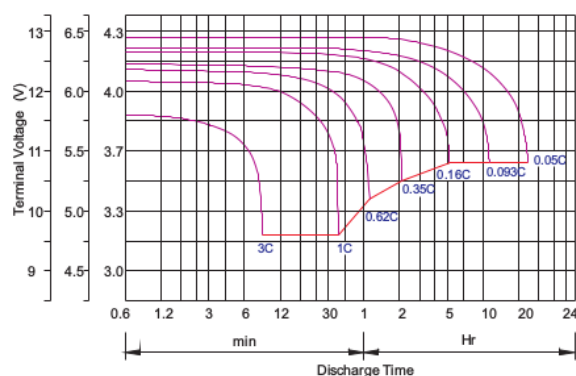
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	133W	121W	110W	78.1W	50.9W	22.8W	15.4W	8.76W	4.64W
10.80 V	153W	132W	120W	82W	52.6W	23.4W	15.7W	8.94W	4.72W
10.50 V	171W	144W	127W	85W	53.9W	23.7W	15.9W	9.05W	4.77W
10.20 V	194W	153W	136W	87.3W	54.6W	23.8W	16W	9.11W	4.84W
10.02 V	215W	167W	142W	90W	55.5W	23.9W	16W	9.15W	4.91W
9.60 V	238W	179W	150W	93.6W	56.7W	24.1W	16.1W	9.22W	4.99W

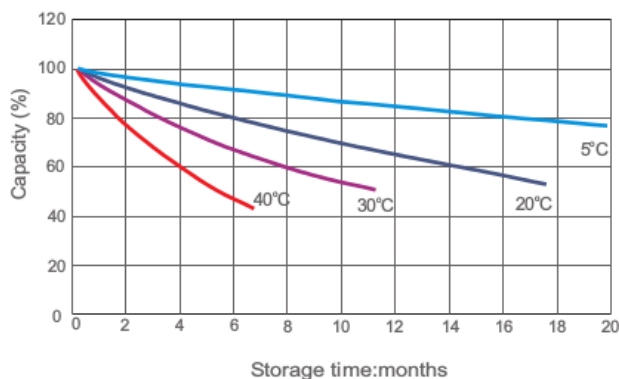
CHARGE CHARACTERISTICS



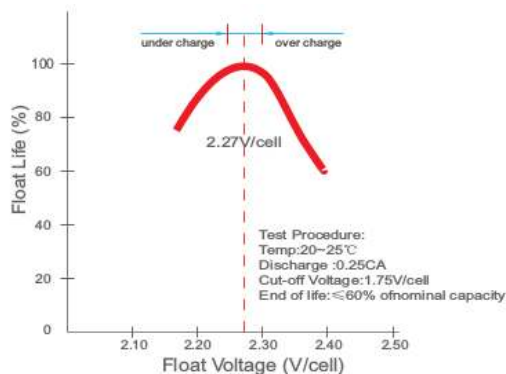
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	45 Ah (C20)
Energy	540 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	13.5 A
Max. Discharge Current	400 A
Internal Resistance	9.2 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-45** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

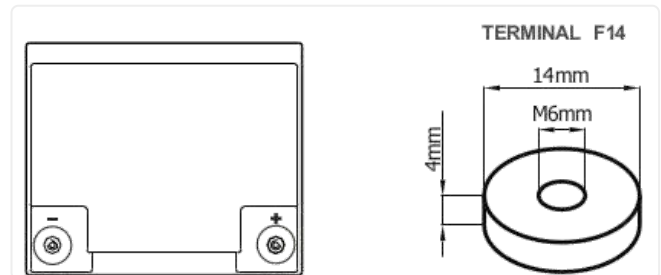
Length: 197 mm

Width: 165 mm

Height: 170 mm

Total Height: 170 mm

Weight: 13.1 kg



2. TERMINAL CONFIGURATION (F11)

Terminals: Ensure your system's connectors match the F11 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 13.5 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-40 (12 V · 40 Ah) · **RHP12-50** (12 V · 50 Ah) · [See all RHP series models](#)

Specialized Technical Support
<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-50 is a 12 V, 50 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 229 × 138 × 208 mm and weighs 20.5 kg, with F11 terminals. It stores 600 Wh and delivers up to 500 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-50**.

Nominal Voltage	12 V
Capacity (25°C)	50 Ah (C10)
Energy	600 Wh
Weight	20.5 kg
Terminal	F11
Dimensions	229 × 138 × 208 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

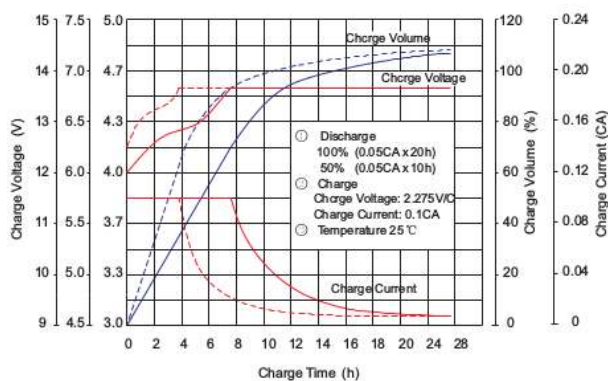
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	78.6A	70.5A	64.2A	45.1A	29.1A	12.9A	8.66A	4.87A	2.56A
10.80 V	91.8A	78.3A	70.5A	47.8A	30.5A	13.4A	8.87A	5A	2.62A
10.50 V	104A	86.1A	75.5A	50A	31.5A	13.6A	9.09A	5.1A	2.68A
10.20 V	119A	92.7A	81.4A	51.8A	32.1A	13.8A	9.21A	5.17A	2.73A
10.02 V	134A	102A	86.1A	53.8A	32.9A	14A	9.28A	5.24A	2.79A
9.60 V	150A	111A	91.4A	56.3A	33.8A	14.2A	9.41A	5.3A	2.86A

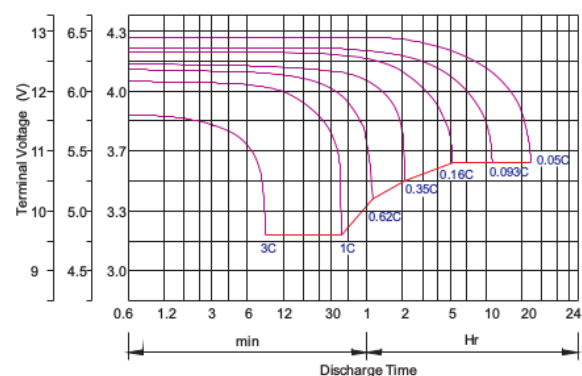
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	148W	134W	123W	86.8W	56.5W	25.4W	17.1W	9.73W	5.15W
10.80 V	170W	147W	133W	91.1W	58.5W	26W	17.4W	9.93W	5.24W
10.50 V	190W	160W	142W	94.4W	59.9W	26.3W	17.6W	10W	5.3W
10.20 V	216W	170W	151W	97W	60.7W	26.5W	17.7W	10.1W	5.37W
10.02 V	239W	185W	158W	100W	61.7W	26.6W	17.8W	10.2W	5.45W
9.60 V	264W	199W	167W	104W	63W	26.7W	17.9W	10.3W	5.54W

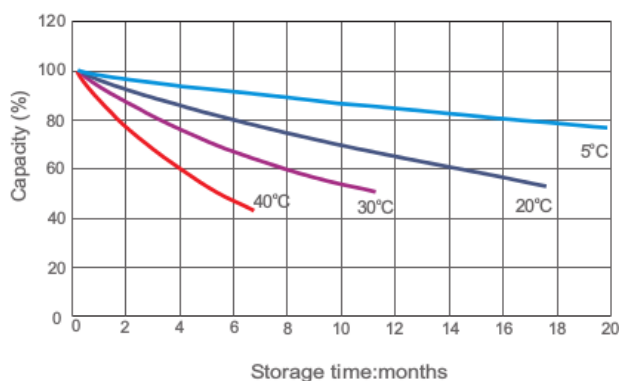
CHARGE CHARACTERISTICS



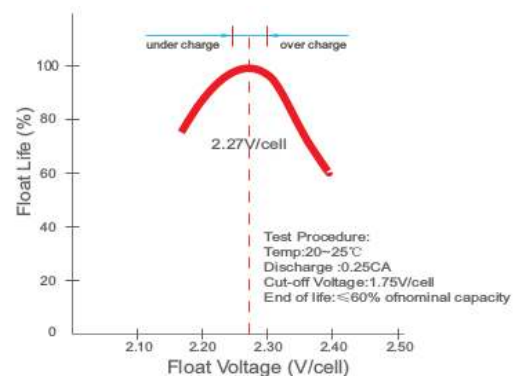
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	50 Ah (C10), 52.4 Ah (C20)
Energy	600 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	15 A
Max. Discharge Current	500 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your REKOSER RHP12-50 battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

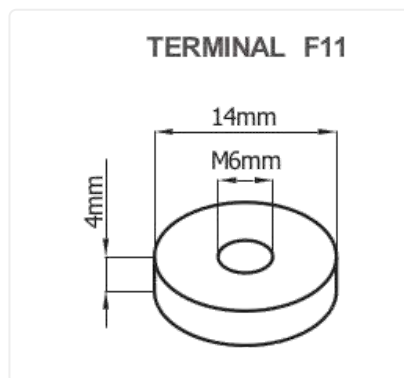
Length: 229 mm

Width: 138 mm

Height: 208 mm

Total Height: 212 mm

Weight: 20.5 kg



2. TERMINAL CONFIGURATION (F11)

Terminals: Ensure your system's connectors match the F11 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 15 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-45 (12 V · 45 Ah) · **RHP12-55** (12 V · 55 Ah) · [See all RHP series models](#)

Specialized Technical Support
<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-55 is a 12 V, 55 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 229 × 138 × 208 mm and weighs 16.5 kg, with F14 terminals. It stores 660 Wh and delivers up to 500 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-55**.



MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

Nominal Voltage	12 V
Capacity (25°C)	55 Ah (C10)
Energy	660 Wh
Weight	16.5 kg
Terminal	F14
Dimensions	229 × 138 × 208 mm

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



TELECOMMUNICATIONS
AND BASE STATIONS



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

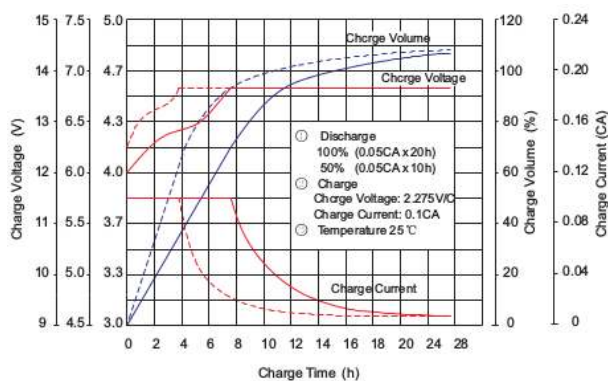
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	86.5A	77.5A	70.6A	49.6A	32A	14.2A	9.53A	5.36A	2.82A
10.80 V	101A	86.1A	77.5A	52.6A	33.5A	14.7A	9.76A	5.5A	2.89A
10.50 V	114A	94.7A	83.1A	55A	34.6A	15A	10A	5.61A	2.94A
10.20 V	131A	102A	89.5A	57A	35.4A	15.2A	10.1A	5.69A	3A
10.02 V	147A	112A	94.7A	59.2A	36.2A	15.4A	10.2A	5.76A	3.07A
9.60 V	165A	122A	101A	61.9A	37.2A	15.6A	10.4A	5.83A	3.14A

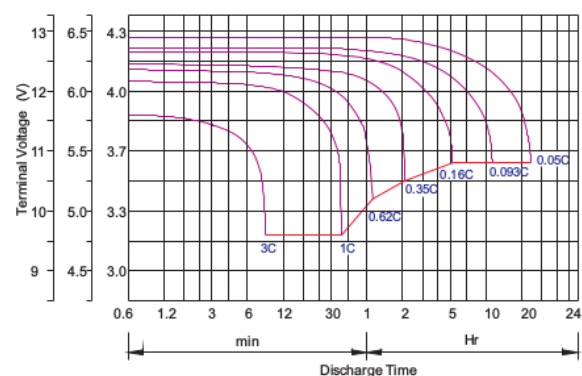
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	163W	147W	135W	95.5W	62.2W	27.9W	18.8W	10.7W	5.67W
10.80 V	187W	162W	147W	100W	64.3W	28.6W	19.2W	10.9W	5.77W
10.50 V	209W	176W	156W	104W	65.9W	28.9W	19.4W	11W	5.83W
10.20 V	237W	187W	166W	107W	66.8W	29.1W	19.5W	11.1W	5.91W
10.02 V	263W	204W	174W	110W	67.9W	29.3W	19.6W	11.2W	6W
9.60 V	291W	219W	183W	114W	69.3W	29.4W	19.7W	11.3W	6.1W

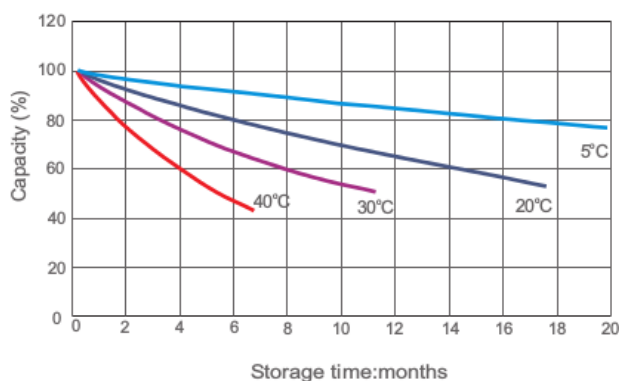
CHARGE CHARACTERISTICS



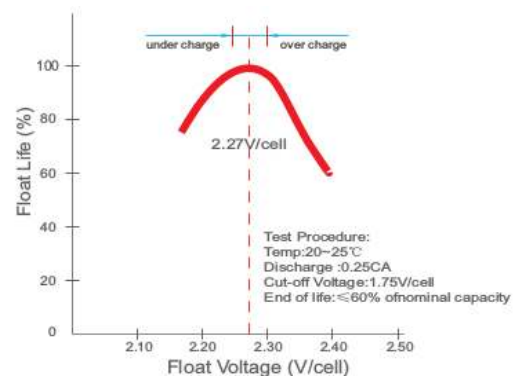
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	55 Ah (C10)
Energy	660 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	16.5 A
Max. Discharge Current	500 A
Internal Resistance	58 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-55** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

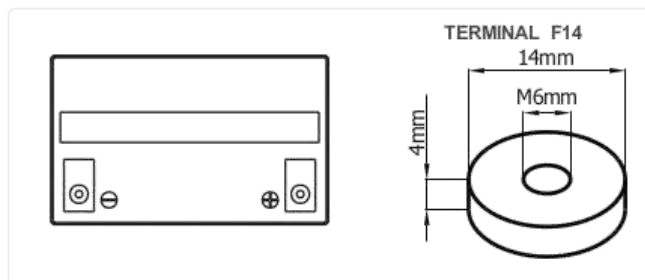
Length: 229 mm

Width: 138 mm

Height: 208 mm

Total Height: 212 mm

Weight: 16.5 kg



2. TERMINAL CONFIGURATION (F14)

Terminals: Ensure your system's connectors match the F14 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 16.5 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-50 (12 V · 50 Ah) · **RHP12-60** (12 V · 60 Ah) · [See all RHP series models](#)

Specialized Technical Support
<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-60 is a 12 V, 60 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 260 × 168 × 211 mm and weighs 20 kg, with F11 terminals. It stores 720 Wh and delivers up to 600 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-60**.

Nominal Voltage	12 V
Capacity (25°C)	60 Ah (C10)
Energy	720 Wh
Weight	20 kg
Terminal	F11
Dimensions	260 × 168 × 211 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

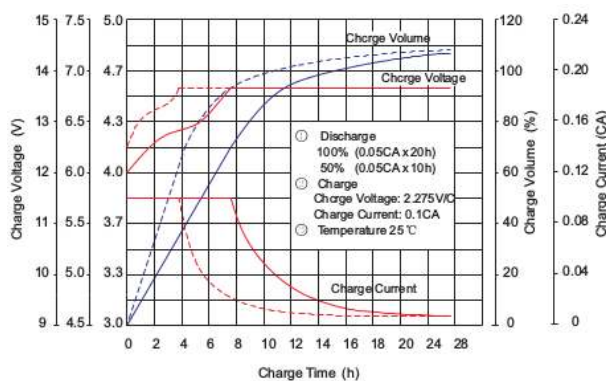
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	110A	99A	89.9A	63.1A	40.8A	18.1A	12.1A	6.82A	3.59A
10.80 V	129A	110A	98.6A	66.9A	42.6A	18.7A	12.4A	7A	3.67A
10.50 V	145A	121A	106A	70A	44.1A	19.1A	12.7A	7.14A	3.75A
10.20 V	167A	130A	114A	72.5A	45A	19.4A	12.9A	7.24A	3.82A
10.02 V	187A	143A	121A	75.3A	46.1A	19.6A	13A	7.33A	3.91A
9.60 V	210A	155A	128A	78.8A	47.3A	19.8A	13.2A	7.42A	4A

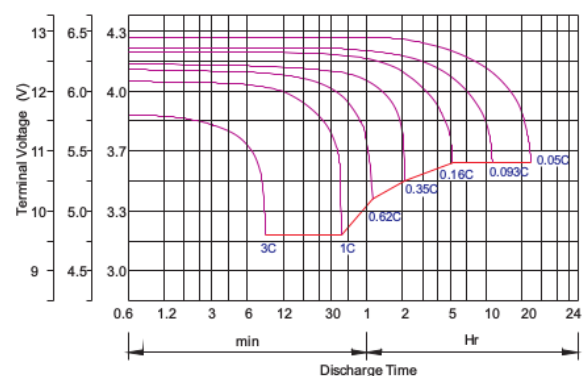
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	207W	187W	172W	122W	79.1W	35.5W	24W	13.6W	7.21W
10.80 V	238W	206W	187W	127W	81.9W	36.4W	24.4W	13.9W	7.34W
10.50 V	266W	224W	198W	132W	83.9W	36.8W	24.8W	14.1W	7.42W
10.20 V	302W	238W	211W	136W	85W	37.1W	24.9W	14.2W	7.52W
10.02 V	334W	259W	222W	140W	86.4W	37.2W	24.9W	14.2W	7.63W
9.60 V	370W	278W	233W	146W	88.2W	37.4W	25.1W	14.3W	7.76W

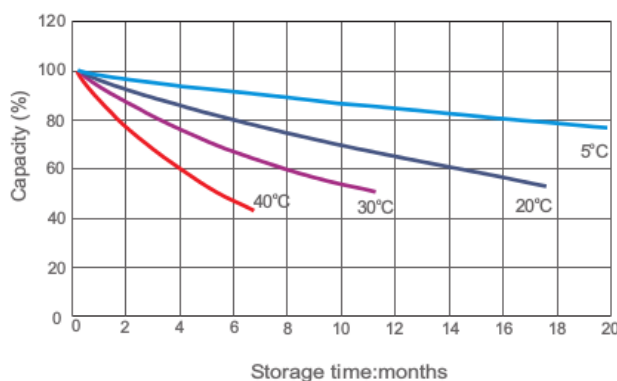
CHARGE CHARACTERISTICS



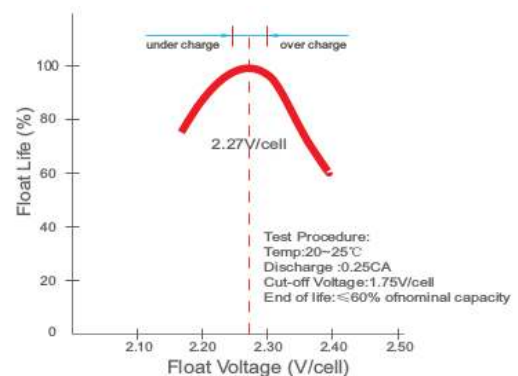
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	60 Ah (C10), 73.4 Ah (C20)
Energy	720 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	18 A
Max. Discharge Current	600 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-60** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

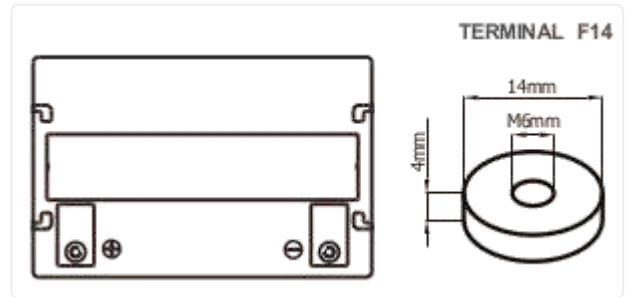
Length: 260 mm

Width: 168 mm

Height: 211 mm

Total Height: 216 mm

Weight: 20 kg



2. TERMINAL CONFIGURATION (F11)

Terminals: Ensure your system's connectors match the F11 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 18 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-55 (12 V · 55 Ah) · **RHP12-65** (12 V · 65 Ah) · [See all RHP series models](#)

Specialized Technical Support
<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-65 is a 12 V, 65 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 350 × 167 × 179 mm and weighs 20.5 kg, with F11 terminals. It stores 780 Wh and delivers up to 650 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-65**.

Nominal Voltage	12 V
Capacity (25°C)	65 Ah (C10)
Energy	780 Wh
Weight	20.5 kg
Terminal	F11
Dimensions	350 × 167 × 179 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

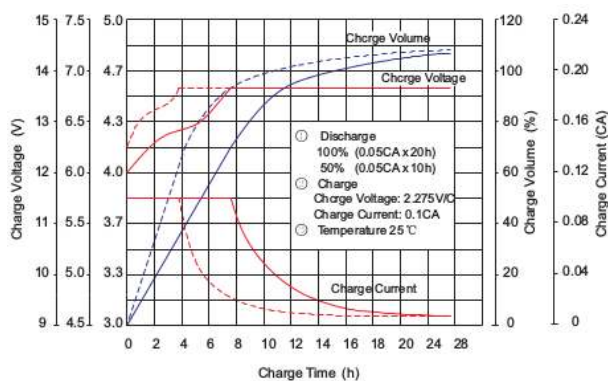
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	102A	91.6A	83.5A	58.6A	37.9A	16.8A	11.3A	6.33A	3.33A
10.80 V	119A	102A	91.6A	62.1A	39.6A	17.4A	11.5A	6.5A	3.41A
10.50 V	135A	112A	98.2A	65A	40.9A	17.7A	11.8A	6.63A	3.48A
10.20 V	155A	120A	106A	67.3A	41.8A	18A	12A	6.72A	3.54A
10.02 V	174A	133A	112A	69.9A	42.8A	18.2A	12.1A	6.81A	3.63A
9.60 V	195A	144A	119A	73.2A	43.9A	18.4A	12.2A	6.89A	3.71A

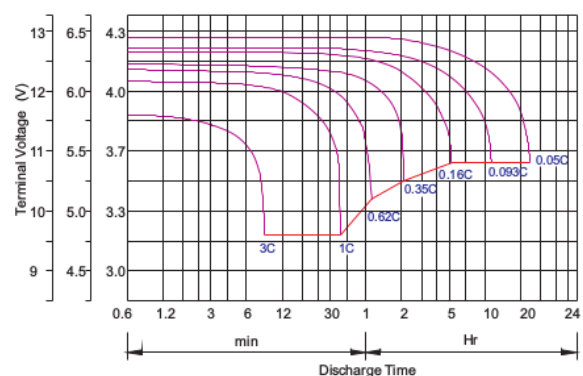
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	193W	174W	159W	113W	73.5W	33W	22.3W	12.7W	6.7W
10.80 V	221W	191W	173W	118W	76W	33.8W	22.6W	12.9W	6.81W
10.50 V	247W	208W	184W	123W	77.9W	34.2W	23W	13W	6.89W
10.20 V	280W	221W	196W	126W	78.9W	34.4W	23.1W	13.1W	6.99W
10.02 V	310W	241W	206W	130W	80.2W	34.6W	23.2W	13.2W	7.09W
9.60 V	343W	259W	217W	135W	81.9W	34.8W	23.3W	13.3W	7.2W

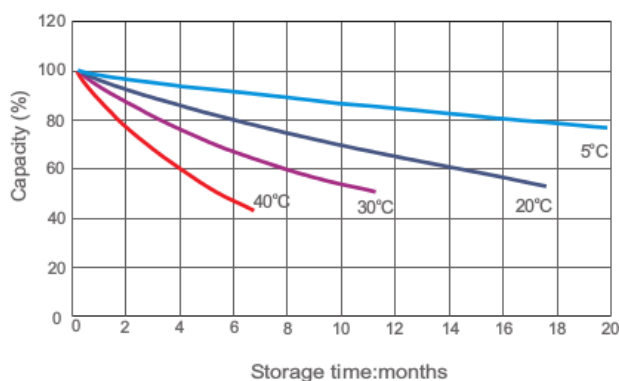
CHARGE CHARACTERISTICS



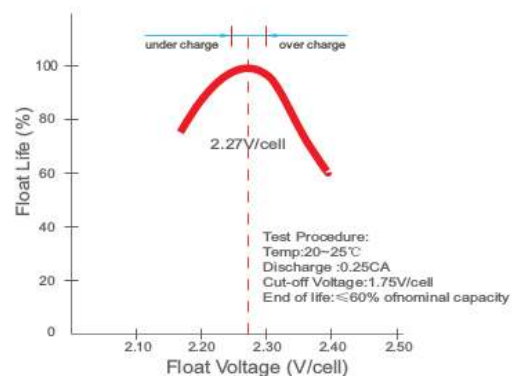
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	65 Ah (C10), 68.2 Ah (C20)
Energy	780 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	19.5 A
Max. Discharge Current	650 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-65** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

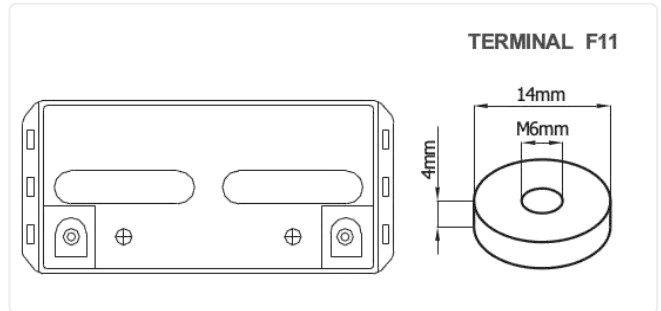
Length: 350 mm

Width: 167 mm

Height: 179 mm

Total Height: 179 mm

Weight: 20.5 kg



2. TERMINAL CONFIGURATION (F11)

Terminals: Ensure your system's connectors match the F11 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 19.5 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-60 (12 V · 60 Ah) · **RHP12-70** (12 V · 70 Ah) · [See all RHP series models](#)

Specialized Technical Support
<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-70 is a 12 V, 70 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 260 × 169 × 211 mm and weighs 21.5 kg, with F11 terminals. It stores 840 Wh and delivers up to 675 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-70**.

Nominal Voltage	12 V
Capacity (25°C)	70 Ah (C10)
Energy	840 Wh
Weight	21.5 kg
Terminal	F11
Dimensions	260 × 169 × 211 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

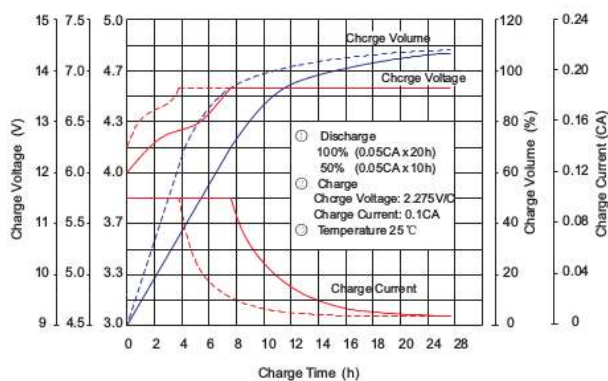
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	110A	99A	89.9A	63.1A	40.8A	18.1A	12.1A	6.82A	3.59A
10.80 V	129A	110A	98.6A	66.9A	42.6A	18.7A	12.4A	7A	3.67A
10.50 V	145A	121A	106A	70A	44.1A	19.1A	12.7A	7.14A	3.75A
10.20 V	167A	130A	114A	72.5A	45A	19.4A	12.9A	7.24A	3.82A
10.02 V	187A	143A	121A	75.3A	46.1A	19.6A	13A	7.33A	3.91A
9.60 V	210A	155A	128A	78.8A	47.3A	19.8A	13.2A	7.42A	4A

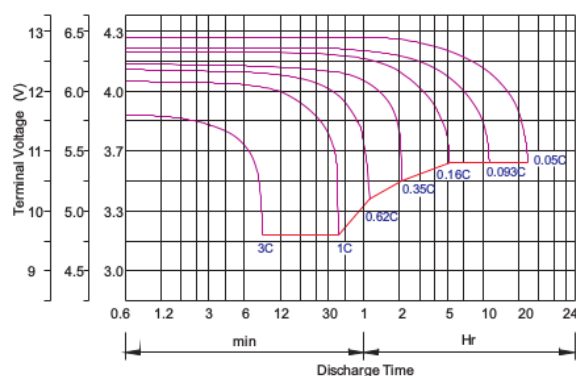
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	207W	187W	172W	122W	79.1W	35.5W	24W	13.6W	7.21W
10.80 V	238W	206W	187W	127W	81.9W	36.4W	24.4W	13.9W	7.34W
10.50 V	266W	224W	198W	132W	83.9W	36.8W	24.8W	14.1W	7.42W
10.20 V	302W	238W	211W	136W	85W	37.1W	24.9W	14.2W	7.52W
10.02 V	334W	259W	222W	140W	86.4W	37.2W	24.9W	14.2W	7.63W
9.60 V	370W	278W	233W	146W	88.2W	37.4W	25.1W	14.3W	7.76W

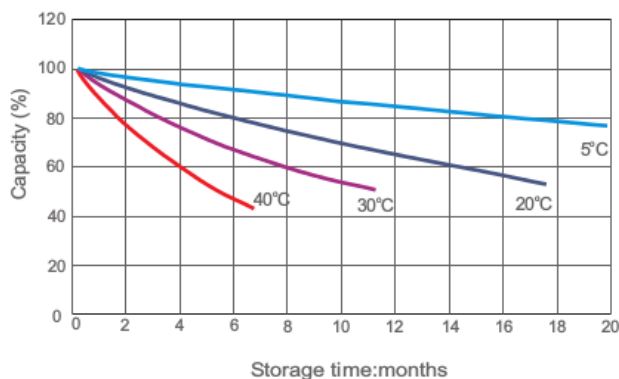
CHARGE CHARACTERISTICS



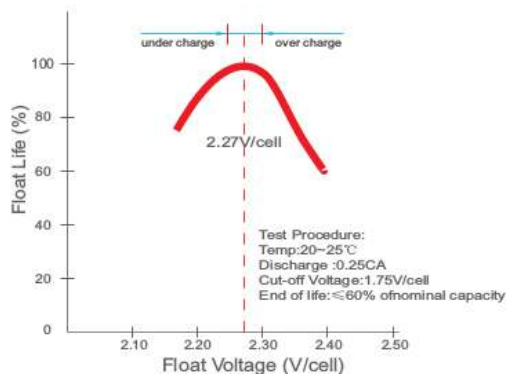
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	70 Ah (C10)
Energy	840 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	21 A
Max. Discharge Current	675 A
Internal Resistance	55 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-70** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

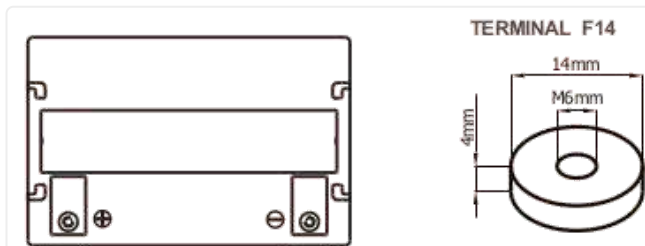
Length: 260 mm

Width: 169 mm

Height: 211 mm

Total Height: 216 mm

Weight: 21.5 kg



2. TERMINAL CONFIGURATION (F11)

Terminals: Ensure your system's connectors match the F11 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 21 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-65 (12 V · 65 Ah) · **RHP12-75** (12 V · 75 Ah) · [See all RHP series models](#)

Specialized Technical Support

<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-75 is a 12 V, 75 Ah (20-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 260 × 169 × 208 mm and weighs 22.5 kg, with F11 terminals. It stores 900 Wh and delivers up to 675 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-75**.

Nominal Voltage	12 V
Capacity (25°C)	75 Ah (C20)
Energy	900 Wh
Weight	22.5 kg
Terminal	F11
Dimensions	260 × 169 × 208 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

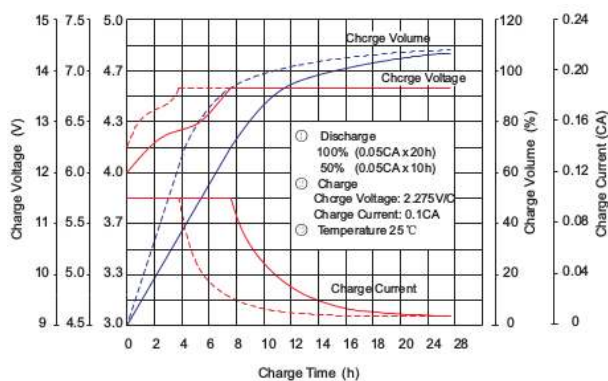
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	118A	106A	96.3A	67.7A	43.7A	19.4A	13A	7.31A	3.84A
10.80 V	138A	117A	106A	71.7A	45.7A	20A	13.3A	7.5A	3.94A
10.50 V	156A	129A	113A	75A	47.2A	20.4A	13.6A	7.76A	4.01A
10.20 V	179A	139A	122A	77.7A	48.2A	20.8A	13.8A	7.76A	4.09A
10.02 V	201A	153A	129A	80.7A	49.4A	21A	13.9A	7.85A	4.19A
9.60 V	225A	166A	137A	84.5A	50.7A	21.3A	14.1A	7.95A	4.28A

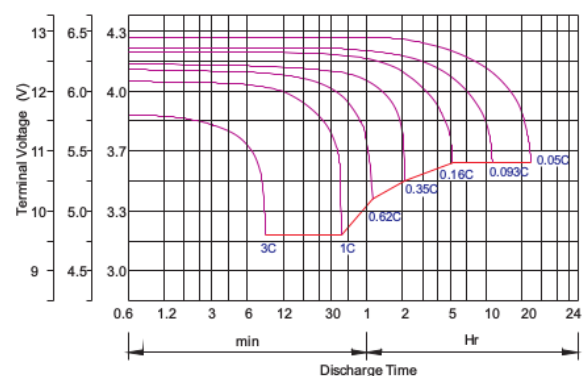
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	222W	201W	184W	130W	84.8W	38.1W	25.7W	14.6W	7.73W
10.80 V	255W	220W	200W	137W	87.7W	39W	26.1W	14.9W	7.86W
10.50 V	285W	240W	212W	142W	89.9W	39.4W	26.5W	15.1W	7.95W
10.20 V	323W	255W	226W	145W	91W	39.7W	26.6W	15.2W	8.06W
10.02 V	358W	278W	237W	150W	92.6W	39.9W	26.7W	15.3W	8.18W
9.60 V	396W	298W	250W	156W	94.5W	40.1W	26.9W	15.4W	8.31W

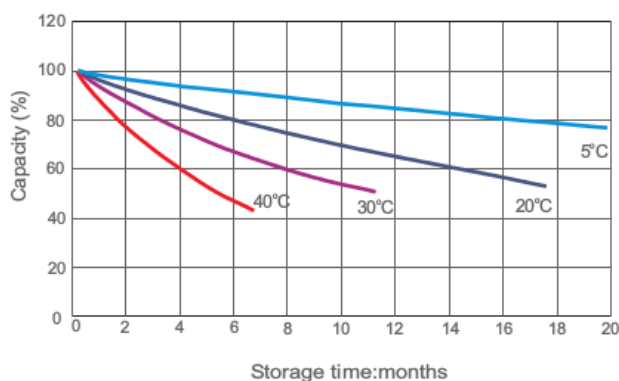
CHARGE CHARACTERISTICS



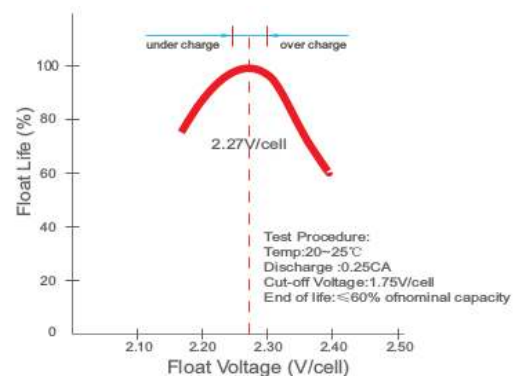
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	75 Ah (C20)
Energy	900 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	22.5 A
Max. Discharge Current	675 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-75** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

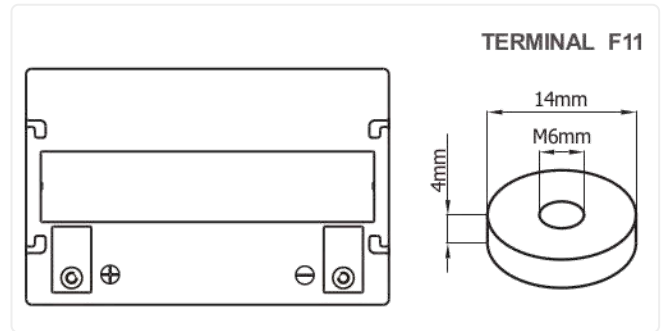
Length: 260 mm

Width: 169 mm

Height: 208 mm

Total Height: 212 mm

Weight: 22.5 kg



2. TERMINAL CONFIGURATION (F11)

Terminals: Ensure your system's connectors match the F11 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 22.5 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-70 (12 V · 70 Ah) · **RHP12-80** (12 V · 80 Ah) · [See all RHP series models](#)

Specialized Technical Support
<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-80 is a 12 V, 80 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 350 × 167 × 179 mm and weighs 23 kg, with F11 terminals. It stores 960 Wh and delivers up to 650 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-80**.

Nominal Voltage	12 V
Capacity (25°C)	80 Ah (C10)
Energy	960 Wh
Weight	23 kg
Terminal	F11
Dimensions	350 × 167 × 179 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

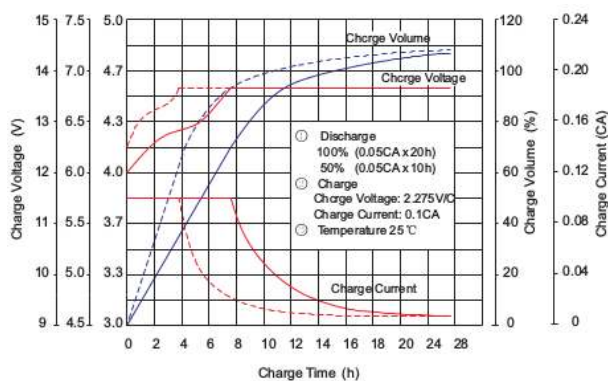
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	126A	113A	103A	72.2A	46.6A	20.7A	13.9A	7.79A	4.1A
10.80 V	147A	125A	113A	76.5A	48.7A	21.4A	14.2A	8A	4.2A
10.50 V	166A	138A	121A	80A	50.4A	21.8A	14.5A	8.16A	4.28A
10.20 V	191A	148A	130A	82.9A	51.4A	22.1A	14.7A	8.27A	4.36A
10.02 V	214A	163A	138A	86.1A	52.7A	22.4A	14.8A	8.38A	4.46A
9.60 V	240A	177A	146A	90.1A	54A	22.7A	15.1A	8.48A	4.57A

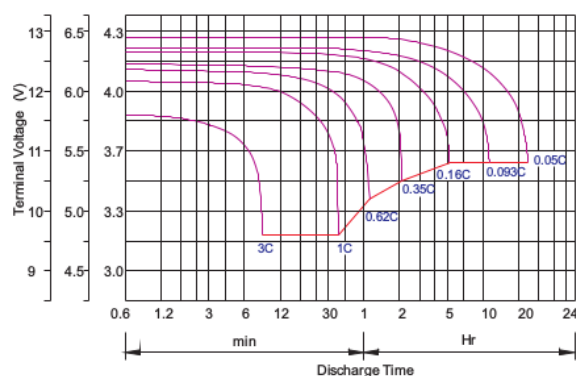
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	237W	214W	196W	139W	90.4W	40.6W	27.4W	15.6W	8.24W
10.80 V	272W	235W	213W	146W	93.6W	41.6W	27.9W	15.9W	8.39W
10.50 V	304W	256W	227W	151W	95.9W	42W	28.3W	16.1W	8.49W
10.20 V	345W	272W	241W	155W	97.1W	42.4W	28.4W	16.2W	8.6W
10.02 V	382W	296W	253W	160W	98.7W	42.6W	28.5W	16.3W	8.72W
9.60 V	423W	318W	267W	166W	101W	42.8W	28.7W	16.4W	8.87W

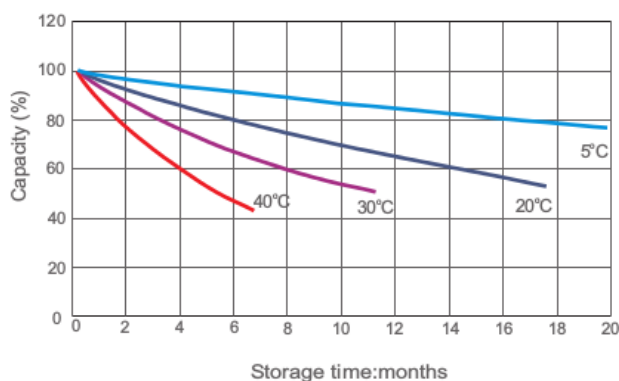
CHARGE CHARACTERISTICS



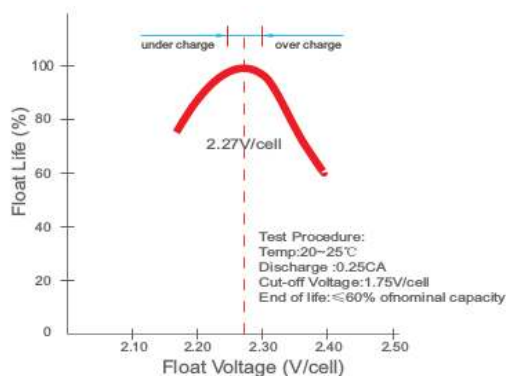
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	80 Ah (C10), 84 Ah (C20)
Energy	960 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	19.5 A
Max. Discharge Current	650 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-80** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

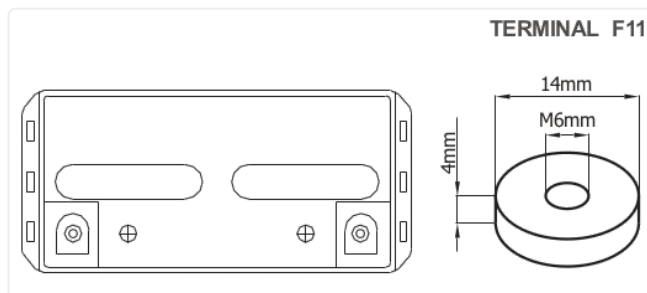
Length: 350 mm

Width: 167 mm

Height: 179 mm

Total Height: 179 mm

Weight: 23 kg



2. TERMINAL CONFIGURATION (F11)

Terminals: Ensure your system's connectors match the F11 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 19.5 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-75 (12 V · 75 Ah) · **RHP12-90** (12 V · 90 Ah) · [See all RHP series models](#)

Specialized Technical Support

<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-90 is a 12 V, 90 Ah (20-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 306 × 169 × 208 mm and weighs 26.5 kg, with F11 terminals. It stores 1.08 kWh and delivers up to 720 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-90**.

Nominal Voltage	12 V
Capacity (25°C)	90 Ah (C20)
Energy	1080 Wh
Weight	26.5 kg
Terminal	F11
Dimensions	306 × 169 × 208 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

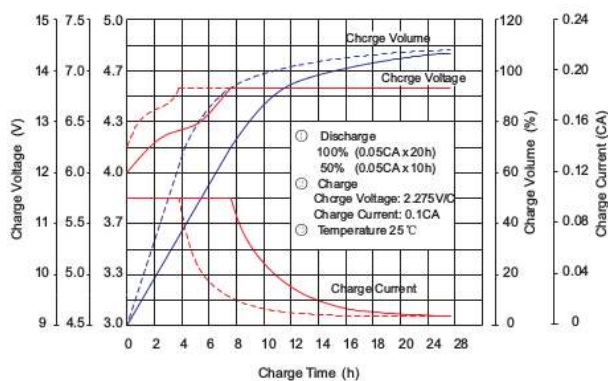
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	142A	127A	116A	81.2A	52.4A	23.3A	15.6A	8.77A	4.61A
10.80 V	165A	141A	127A	86A	54.8A	24A	16A	9A	4.72A
10.50 V	187A	155A	136A	90A	56.7A	24.5A	16.4A	9.18A	4.82A
10.20 V	215A	167A	146A	93.2A	57.9A	24.9A	16.6A	9.31A	4.91A
10.02 V	241A	184A	155A	96.8A	59.2A	25.2A	16.7A	9.42A	5.02A
9.60 V	270A	199A	165A	101A	60.8A	25.5A	16.9A	9.55A	5.14A

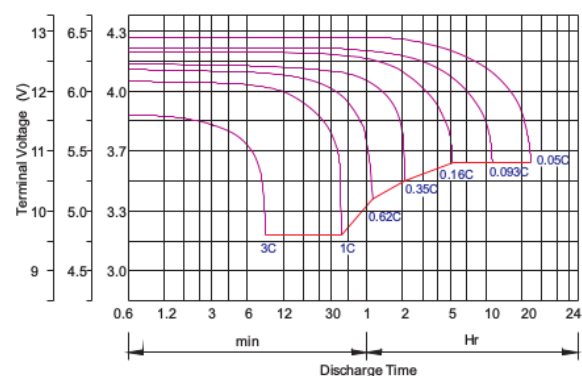
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	267W	241W	221W	156W	102W	45.7W	30.8W	17.5W	9.27W
10.80 V	306W	264W	240W	164W	105W	46.8W	31.3W	17.9W	9.43W
10.50 V	342W	288W	255W	170W	108W	47.3W	31.8W	18.1W	9.55W
10.20 V	388W	306W	272W	175W	109W	47.7W	32W	18.2W	9.67W
10.02 V	430W	333W	285W	180W	111W	47.9W	32.1W	18.3W	9.82W
9.60 V	475W	358W	300W	187W	113W	48.1W	32.2W	18.4W	10W

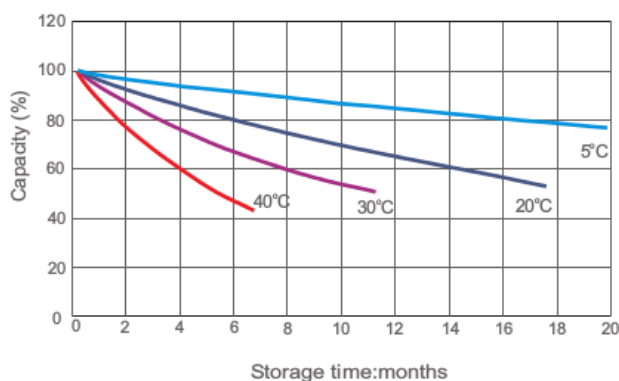
CHARGE CHARACTERISTICS



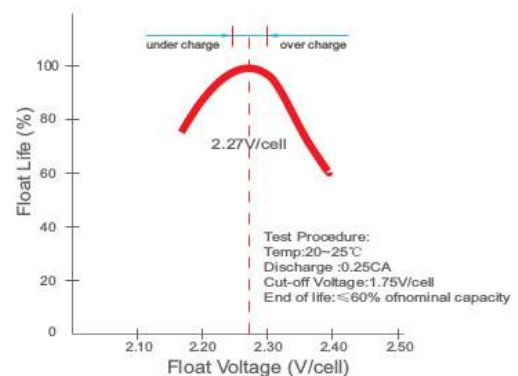
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	90 Ah (C20)
Energy	1080 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	27 A
Max. Discharge Current	720 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-90** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

Length: 306 mm

Width: 169 mm

Height: 208 mm

Total Height: 212 mm

Weight: 26.5 kg

2. TERMINAL CONFIGURATION (F11)

Terminals: Ensure your system's connectors match the F11 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 27 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-80 (12 V · 80 Ah) · **RHP12-100** (12 V · 100 Ah) · See all RHP series models

Specialized Technical Support
<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-100 is a 12 V, 100 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 328 × 171 × 214 mm and weighs 30 kg, with F14 terminals. It stores 1.2 kWh and delivers up to 800 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-100**.

Nominal Voltage	12 V
Capacity (25°C)	100 Ah (C10)
Energy	1200 Wh
Weight	30 kg
Terminal	F14
Dimensions	328 × 171 × 214 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

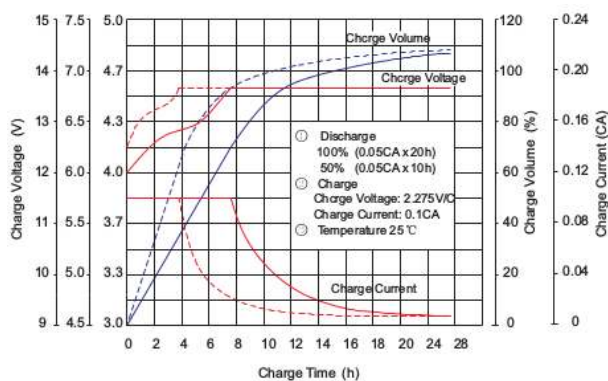
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	157A	141A	128A	90.2A	58.3A	25.8A	17.3A	9.74A	5.13A
10.80 V	184A	157A	141A	95.6A	60.9A	26.7A	17.7A	10A	5.25A
10.50 V	208A	172A	151A	100A	63A	27.2A	18.2A	10.2A	5.35A
10.20 V	239A	185A	163A	104A	64.3A	27.7A	18.4A	10.3A	5.45A
10.02 V	268A	204A	172A	108A	65.8A	28A	18.6A	10.5A	5.58A
9.60 V	300A	221A	183A	113A	67.6A	28.3A	18.8A	10.6A	5.71A

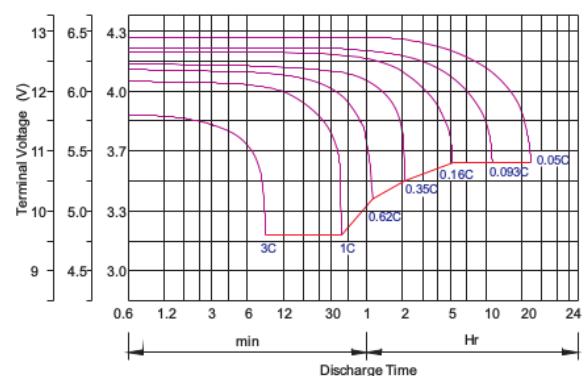
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	296W	268W	245W	174W	113W	50.7W	34.3W	19.5W	10.3W
10.80 V	340W	294W	267W	182W	117W	52W	34.8W	19.9W	10.5W
10.50 V	380W	320W	283W	189W	120W	52.6W	35.4W	20.1W	10.6W
10.20 V	431W	340W	302W	194W	121W	52.9W	35.5W	20.2W	10.7W
10.02 V	477W	370W	316W	200W	123W	53.2W	35.6W	20.3W	10.9W
9.60 V	528W	398W	333W	208W	126W	53.5W	35.8W	20.5W	11.1W

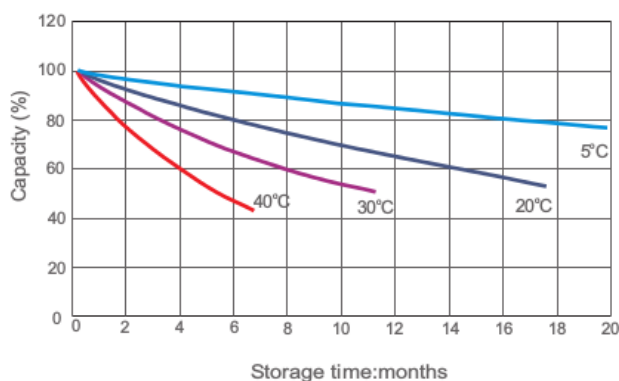
CHARGE CHARACTERISTICS



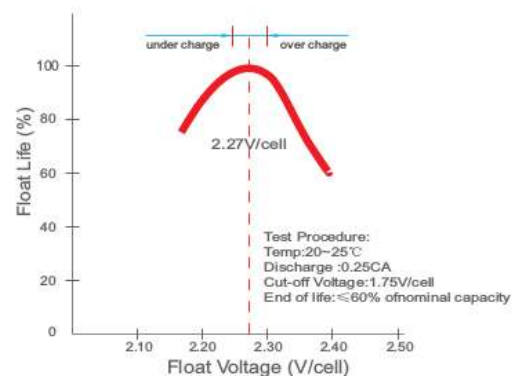
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	100 Ah (C10), 105 Ah (C20)
Energy	1200 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	30 A
Max. Discharge Current	800 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-100** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

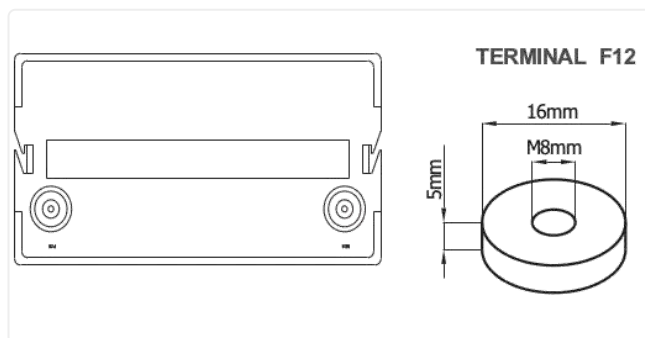
Length: 328 mm

Width: 171 mm

Height: 214 mm

Total Height: 220 mm

Weight: 30 kg



2. TERMINAL CONFIGURATION (F14)

Terminals: Ensure your system's connectors match the F14 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 30 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-90 (12 V · 90 Ah) · **RHP12-110** (12 V · 110 Ah) · [See all RHP series models](#)

The same battery in other series: **RFT12-100** (RFT Series – Front Terminal (AGM))

Specialized Technical Support

<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-110 is a 12 V, 110 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 395 × 110 × 285 mm and weighs 32.5 kg, with F14 terminals. It stores 1.32 kWh and delivers up to 800 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-110**.

Nominal Voltage	12 V
Capacity (25°C)	110 Ah (C10)
Energy	1320 Wh
Weight	32.5 kg
Terminal	F14
Dimensions	395 × 110 × 285 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

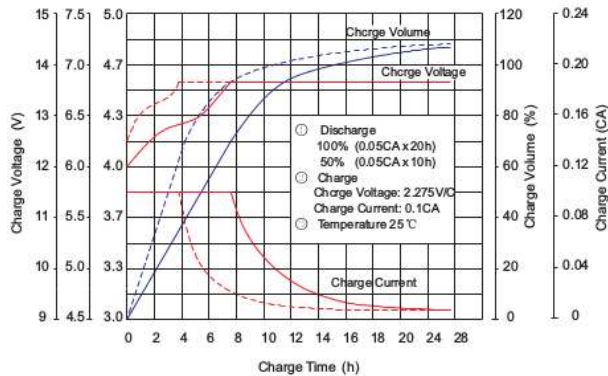
Constant Discharge Ratings (A) at 25°C

F.V / Time	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
9.60 V	178A	108A	68.2A	28.1A	19.6A	11.2A	5.88A
10.02 V	174A	106A	67.2A	27.9A	19.5A	11.2A	5.87A
10.20 V	167A	102A	65.5A	27.7A	19.4A	11.1A	5.85A
10.50 V	162A	99.9A	64.2A	27.5A	19.3A	11.1A	5.82A
10.80 V	153A	96.3A	62.2A	26.7A	18.7A	11A	5.78A

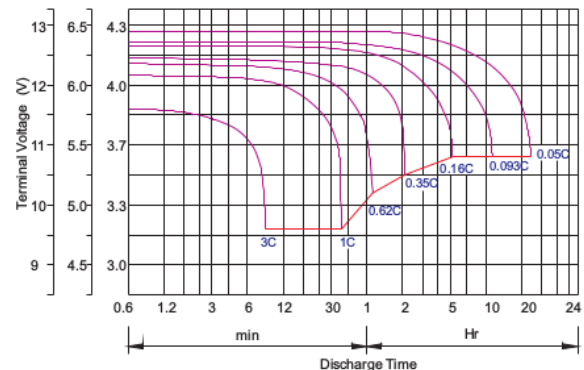
Constant Discharge Ratings (W) at 25°C

F.V / Time	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
9.60 V	1953W	1210W	777W	330W	232W	134W	70.5W
10.02 V	1906W	1185W	776W	328W	231W	133W	70.4W
10.20 V	1836W	1149W	746W	326W	229W	133W	70.2W
10.50 V	1773W	1121W	732W	323W	228W	132W	69.8W
10.80 V	1680W	1080W	709W	314W	221W	131W	69.3W

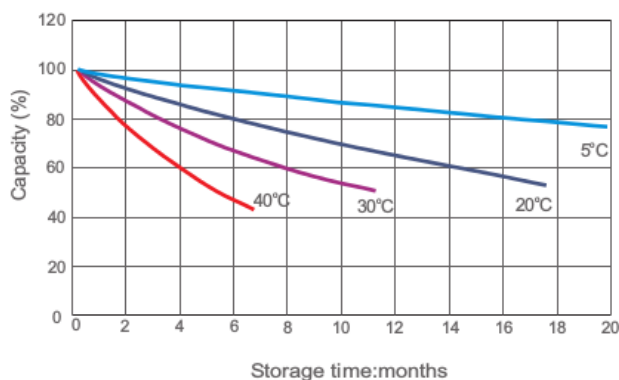
CHARGE CHARACTERISTICS



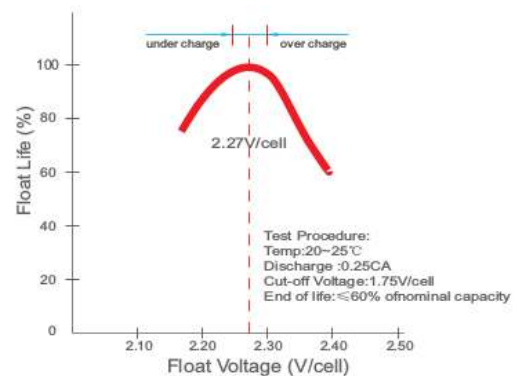
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	110 Ah (C10), 105 Ah (C20)
Energy	1320 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	30 A
Max. Discharge Current	800 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-110** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

Length: 395 mm

Width: 110 mm

Height: 285 mm

Total Height: 285 mm

Weight: 32.5 kg

2. TERMINAL CONFIGURATION (F14)

Terminals: Ensure your system's connectors match the F14 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 30 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-100 (12 V · 100 Ah) · **RHP12-120** (12 V · 120 Ah) · [See all RHP series models](#)

The same battery in other series: **RFT12-110** (RFT Series – Front Terminal (AGM))

Specialized Technical Support

<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-120 is a 12 V, 120 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 410 × 176 × 227 mm and weighs 34 kg, with F13 terminals. It stores 1.44 kWh and delivers up to 960 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-120**.

Nominal Voltage	12 V
Capacity (25°C)	120 Ah (C10)
Energy	1440 Wh
Weight	34 kg
Terminal	F13
Dimensions	410 × 176 × 227 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

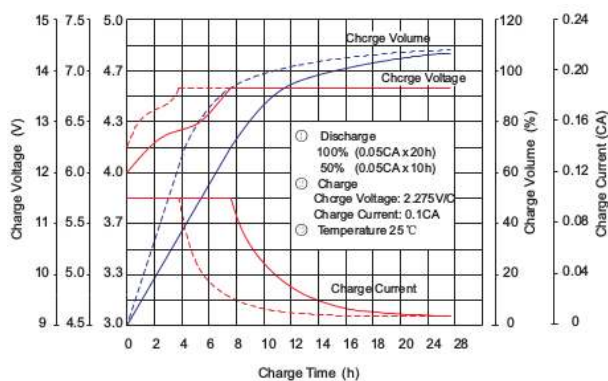
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	189A	169A	154A	108A	69.9A	31A	20.8A	11.7A	6.15A
10.80 V	220A	188A	169A	115A	73.1A	32A	21.3A	12A	6.3A
10.50 V	249A	207A	181A	120A	75.6A	32.7A	21.8A	12.2A	6.42A
10.20 V	287A	222A	195A	124A	77.1A	33.2A	22.1A	12.4A	6.54A
10.02 V	321A	245A	207A	129A	79A	33.6A	22.3A	12.6A	6.7A
9.60 V	360A	266A	219A	135A	81.1A	34A	22.6A	12.7A	6.85A

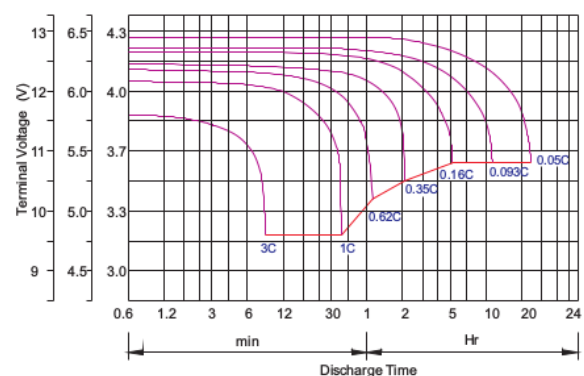
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	355W	321W	294W	208W	136W	60.9W	41.1W	23.4W	12.4W
10.80 V	408W	353W	320W	219W	140W	62.4W	41.8W	23.8W	12.6W
10.50 V	456W	384W	340W	227W	144W	63.1W	42.5W	24.1W	12.7W
10.20 V	518W	408W	362W	233W	146W	63.5W	42.7W	24.3W	12.9W
10.02 V	573W	445W	380W	240W	148W	63.8W	42.8W	24.4W	13.1W
9.60 V	634W	477W	400W	250W	151W	64.2W	43W	24.6W	13.3W

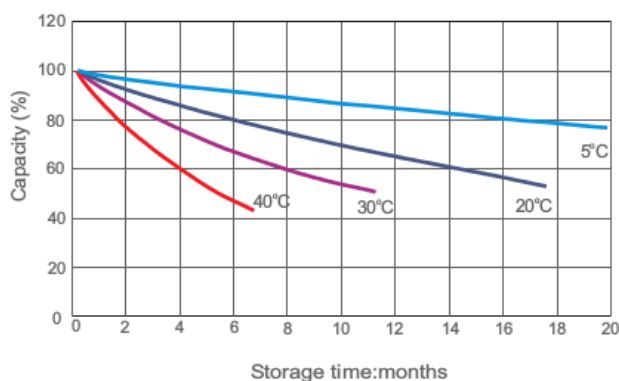
CHARGE CHARACTERISTICS



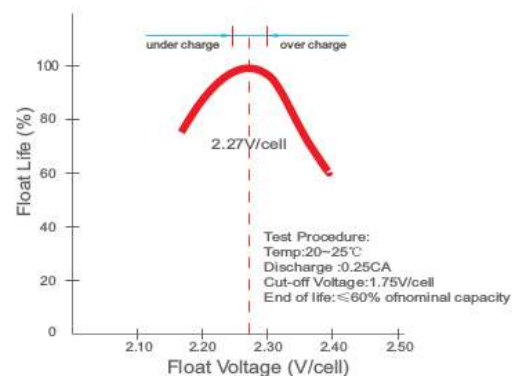
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	120 Ah (C10), 126 Ah (C20)
Energy	1440 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	36 A
Max. Discharge Current	960 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-120** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

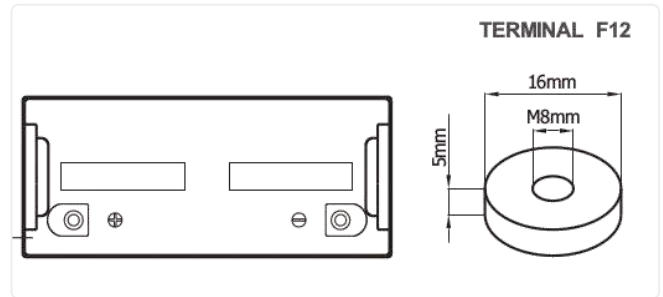
Length: 410 mm

Width: 176 mm

Height: 227 mm

Total Height: 227 mm

Weight: 34 kg



2. TERMINAL CONFIGURATION (F13)

Terminals: Ensure your system's connectors match the F13 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 36 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-110 (12 V · 110 Ah) · **RHP12-135** (12 V · 135 Ah) · [See all RHP series models](#)

Specialized Technical Support
<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-135 is a 12 V, 135 Ah (20-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 342 × 172 × 273 mm and weighs 42 kg, with F13 terminals. It stores 1.62 kWh and delivers up to 1000 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly RKE12-135.

Nominal Voltage	12 V
Capacity (25°C)	135 Ah (C20)
Energy	1620 Wh
Weight	42 kg
Terminal	F13
Dimensions	342 × 172 × 273 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12

YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2

YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS

-  **TELECOMMUNICATIONS AND BASE STATIONS**
-  **UPS AND DATA CENTERS**

QUALITY STANDARDS

CE CERTIFIED	ISO 9001 / 14001	GB/T19639	IEC 61056	JIS C8702
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GRAPHICS (25°C)

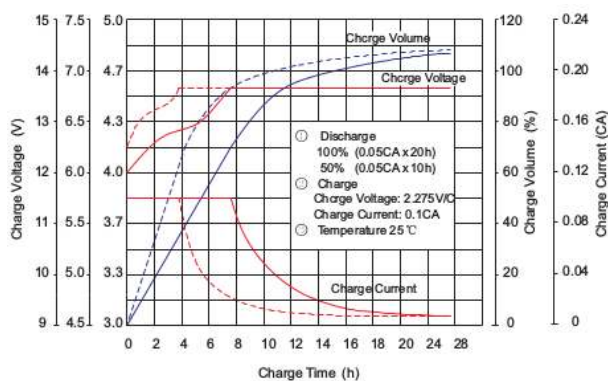
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	212A	190A	173A	122A	78.7A	34.9A	23.4A	13.1A	6.92A
10.80 V	248A	211A	190A	129A	82.2A	36.1A	23.9A	13.5A	7.08A
10.50 V	280A	232A	204A	135A	85A	36.8A	24.5A	13.8A	7.22A
10.20 V	323A	250A	220A	140A	86.8A	37.4A	24.9A	14A	7.36A
10.02 V	361A	275A	232A	145A	88.9A	37.8A	25.1A	14.1A	7.53A
9.60 V	405A	299A	247A	152A	91.2A	38.3A	25.4A	14.3A	7.71A

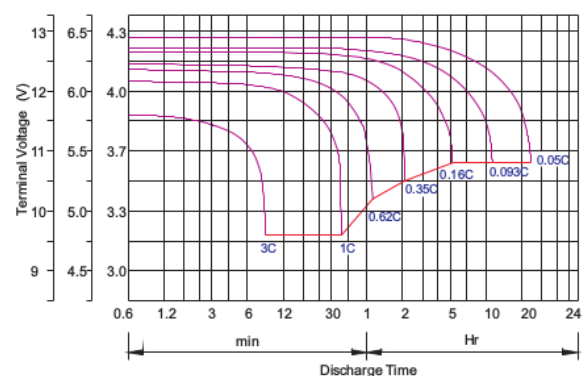
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	400W	362W	331W	234W	153W	68.5W	46.3W	26.3W	13.9W
10.80 V	459W	397W	360W	246W	158W	70.2W	47W	26.8W	14.2W
10.50 V	513W	432W	382W	255W	162W	71W	47.8W	27.1W	14.3W
10.20 V	582W	459W	407W	262W	164W	71.5W	48W	27.3W	14.5W
10.02 V	645W	500W	427W	270W	167W	71.8W	48.1W	27.5W	14.7W
9.60 V	713W	537W	450W	281W	170W	72.2W	48.4W	27.6W	15W

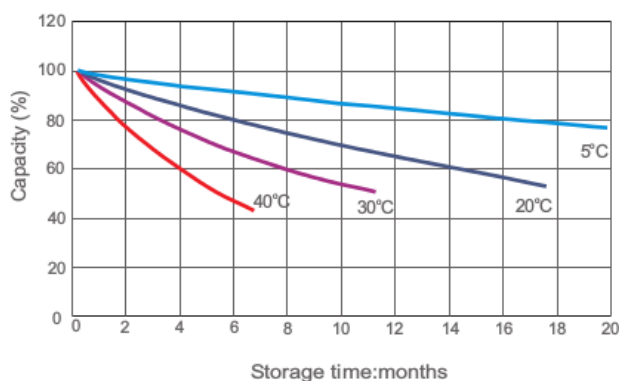
CHARGE CHARACTERISTICS



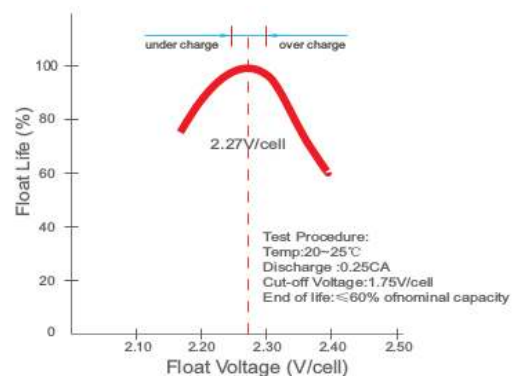
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	135 Ah (C20)
Energy	1620 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	40 A
Max. Discharge Current	1000 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-135** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

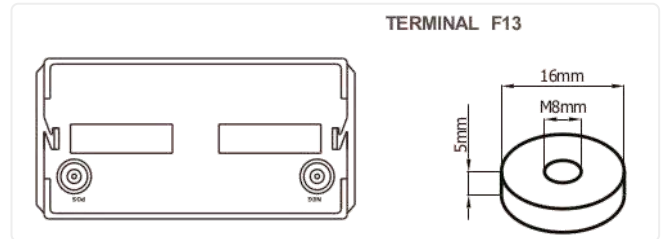
Length: 342 mm

Width: 172 mm

Height: 273 mm

Total Height: 277 mm

Weight: 42 kg



2. TERMINAL CONFIGURATION (F13)

Terminals: Ensure your system's connectors match the F13 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 40 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-120 (12 V · 120 Ah) · **RHP12-150** (12 V · 150 Ah) · [See all RHP series models](#)

Specialized Technical Support
<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-150 is a 12 V, 150 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 485 × 172 × 240 mm and weighs 44 kg, with F12 terminals. It stores 1.8 kWh and delivers up to 1000 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-150**.

Nominal Voltage	12 V
Capacity (25°C)	150 Ah (C10)
Energy	1800 Wh
Weight	44 kg
Terminal	F12
Dimensions	485 × 172 × 240 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

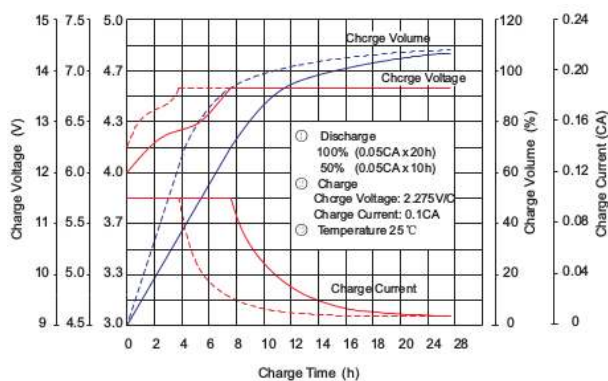
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	236A	211A	193A	135A	87.4A	38.8A	26A	14.6A	7.69A
10.80 V	276A	235A	211A	143A	91.4A	40.1A	26.6A	15A	7.87A
10.50 V	312A	258A	227A	150A	94.5A	40.9A	27.3A	15.3A	8.03A
10.20 V	358A	278A	244A	155A	96.4A	41.5A	26.7A	15.5A	8.18A
10.02 V	402A	306A	258A	161A	98.7A	42A	27.8A	15.7A	8.37A
9.60 V	450A	332A	274A	169A	101A	42.5A	28.2A	15.9A	8.57A

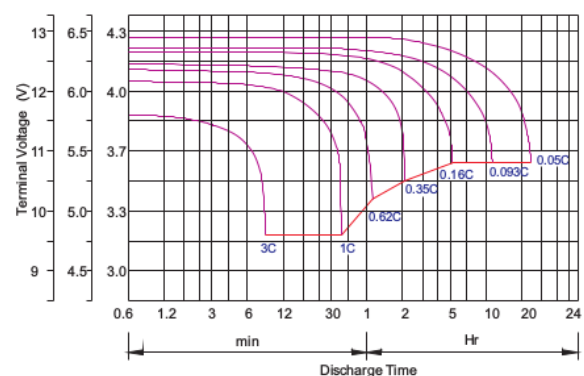
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	444W	402W	368W	260W	170W	76.1W	51.4W	29.2W	15.5W
10.80 V	510W	441W	400W	273W	175W	78W	52.2W	29.8W	15.7W
10.50 V	570W	479W	425W	283W	180W	78.8W	53.1W	30.2W	15.9W
10.20 V	647W	510W	453W	291W	182W	79.4W	53.3W	30.4W	16.1W
10.02 V	716W	556W	475W	300W	185W	79.8W	53.5W	30.5W	16.4W
9.60 V	792W	597W	500W	312W	189W	80.2W	53.7W	30.7W	16.6W

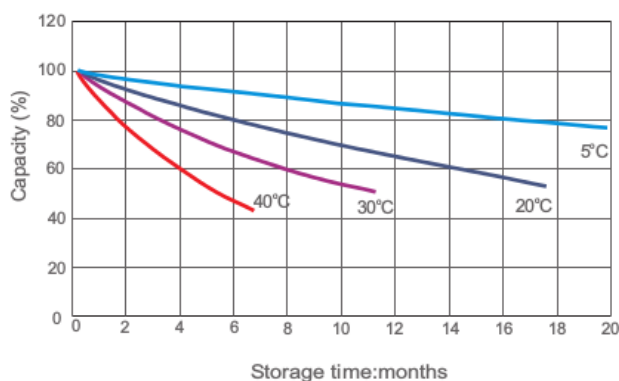
CHARGE CHARACTERISTICS



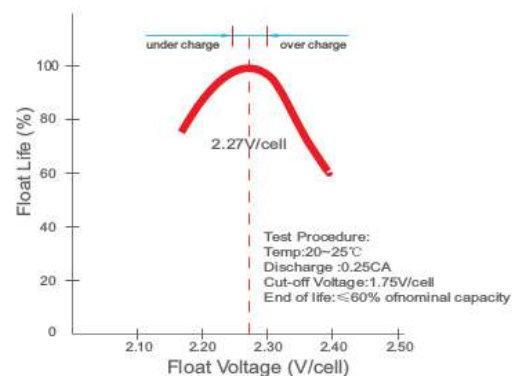
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	150 Ah (C10), 157.4 Ah (C20)
Energy	1800 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	45 A
Max. Discharge Current	1000 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-150** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

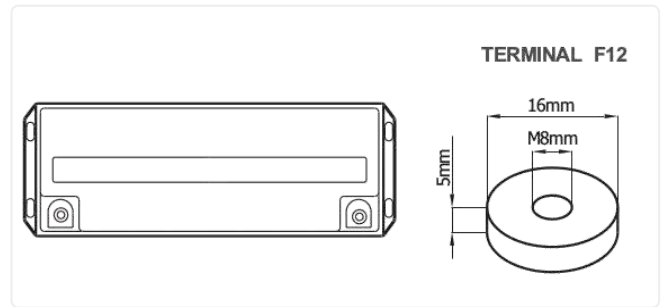
Length: 485 mm

Width: 172 mm

Height: 240 mm

Total Height: 240 mm

Weight: 44 kg



2. TERMINAL CONFIGURATION (F12)

Terminals: Ensure your system's connectors match the F12 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 45 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-135 (12 V · 135 Ah) · **RHP12-160** (12 V · 160 Ah) · [See all RHP series models](#)

Specialized Technical Support
<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-160 is a 12 V, 160 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 522 × 238 × 218 mm and weighs 47.1 kg, with F13 terminals. It stores 1.92 kWh and delivers up to 1000 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-160**.

Nominal Voltage	12 V
Capacity (25°C)	160 Ah (C10)
Energy	1920 Wh
Weight	47.1 kg
Terminal	F13
Dimensions	522 × 238 × 218 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

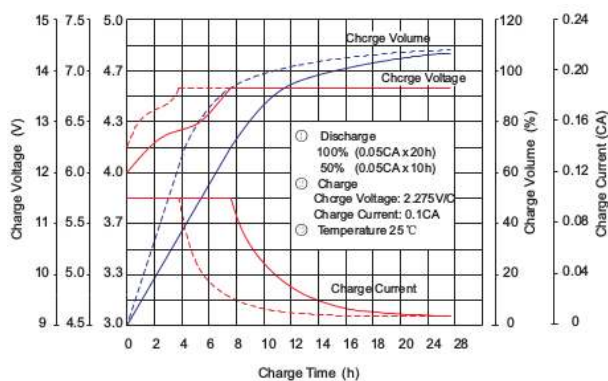
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	252A	226A	205A	144A	93A	41.3A	27.7A	15.6A	8.2A
10.80 V	294A	251A	226A	153A	98A	42.8A	28.4A	16A	8.4A
10.50 V	332A	276A	242A	160A	100A	43.6A	29.1A	16.4A	8.6A
10.20 V	382A	297A	260A	165A	103A	44.3A	29.4A	16.5A	8.7A
10.02 V	428A	326A	276A	172A	105A	44.8A	29.7A	16.7A	8.9A
9.60 V	480A	354A	292A	180A	108A	45.3A	30.1A	17A	9.2A

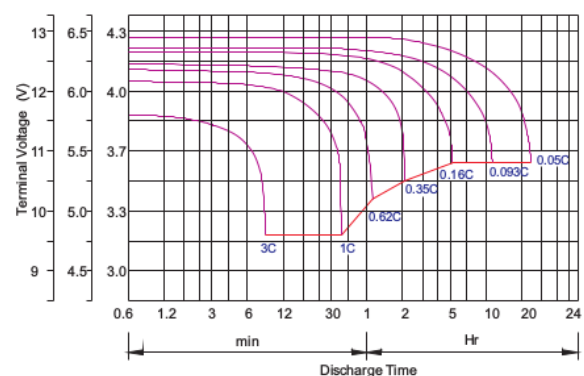
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	474W	428W	393W	278W	180W	81.2W	54.8W	31.1W	16.4W
10.80 V	544W	470W	427W	292W	188W	83.2W	55.7W	31.8W	16.8W
10.50 V	608W	511W	453W	302W	192W	84.1W	56.6W	32.2W	17W
10.20 V	690W	544W	483W	310W	195W	84.7W	56.9W	32.4W	17.2W
10.02 V	764W	593W	507W	320W	197W	85.2W	57W	32.5W	17.4W
9.60 V	845W	636W	533W	333W	202W	85.6W	57.3W	32.8W	17.7W

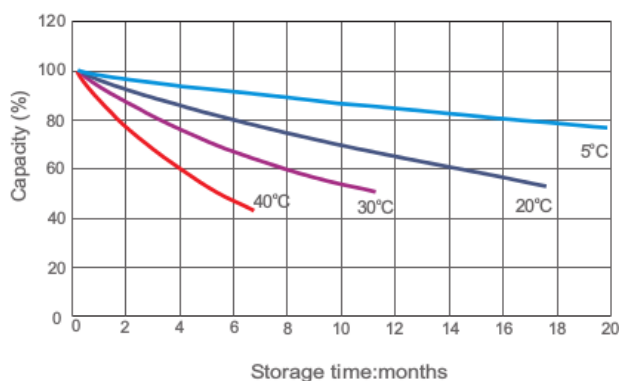
CHARGE CHARACTERISTICS



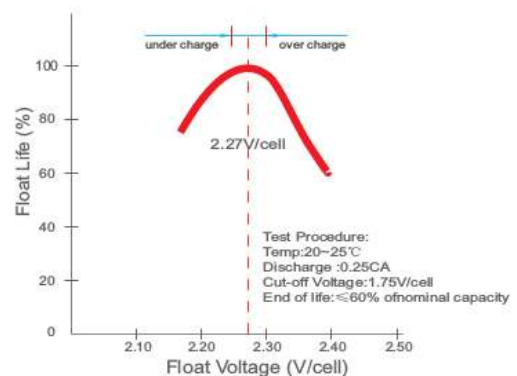
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	160 Ah (C10), 168 Ah (C20)
Energy	1920 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	32 A
Max. Discharge Current	1000 A
Internal Resistance	35 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-160** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

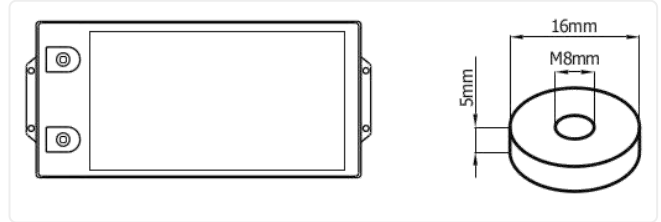
Length: 522 mm

Width: 238 mm

Height: 218 mm

Total Height: 222 mm

Weight: 47.1 kg



2. TERMINAL CONFIGURATION (F13)

Terminals: Ensure your system's connectors match the F13 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 32 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-150 (12 V · 150 Ah) · **RHP12-200** (12 V · 200 Ah) · [See all RHP series models](#)

Specialized Technical Support
<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-200 is a 12 V, 200 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 522 × 238 × 218 mm and weighs 60 kg, with F12 terminals. It stores 2.4 kWh and delivers up to 1000 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-200**.

Nominal Voltage	12 V
Capacity (25°C)	200 Ah (C10)
Energy	2400 Wh
Weight	60 kg
Terminal	F12
Dimensions	522 × 238 × 218 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

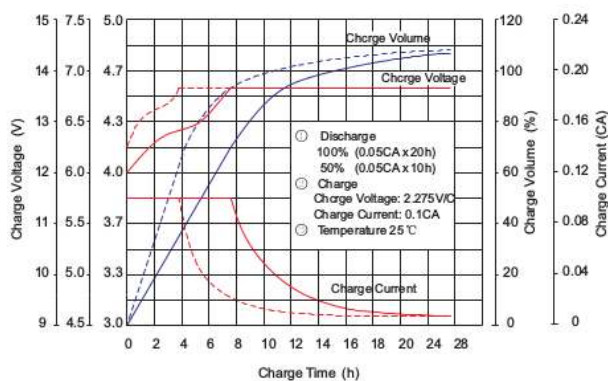
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	299A	271A	249A	177A	115A	51.7A	34.6A	19.5A	10.3A
10.80 V	349A	301A	273A	187A	121A	53.4A	35.5A	20A	10.5A
10.50 V	395A	331A	293A	196A	125A	54.5A	36.4A	20.4A	10.7A
10.20 V	454A	356A	316A	203A	127A	55.3A	36.8A	20.7A	10.9A
10.02 V	509A	392A	334A	211A	130A	56A	37.1A	20.9A	11.2A
9.60 V	570A	425A	355A	221A	134A	56.7A	37.6A	21.2A	11.4A

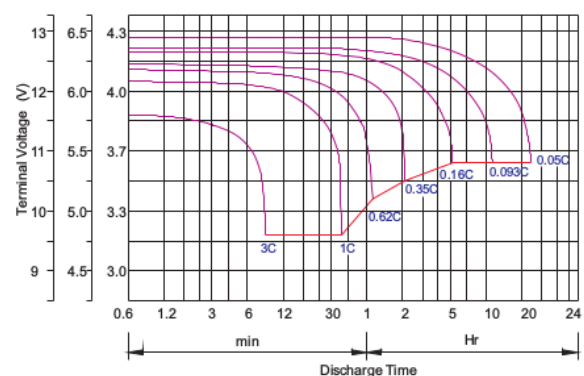
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	563W	514W	476W	340W	224W	91.3W	61.7W	35W	18.5W
10.80 V	646W	564W	517W	357W	232W	93.6W	62.7W	35.8W	18.9W
10.50 V	722W	614W	549W	370W	237W	94.6W	63.7W	36.2W	19.1W
10.20 V	820W	653W	585W	380W	240W	95.3W	64W	36.4W	19.3W
10.02 V	907W	711W	614W	392W	244W	95.8W	64.1W	36.6W	19.6VW
9.60 V	1004W	764W	647W	408W	249W	96.3W	64.5W	36.9W	19.9W

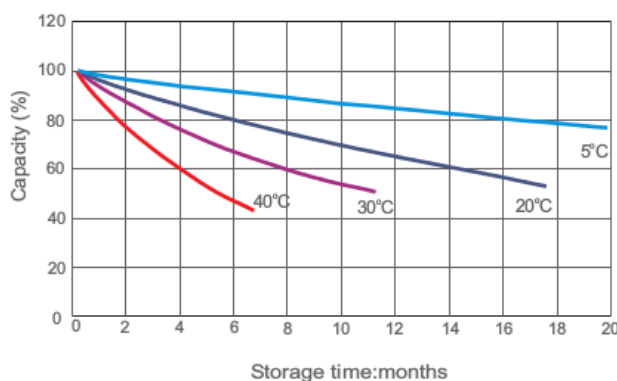
CHARGE CHARACTERISTICS



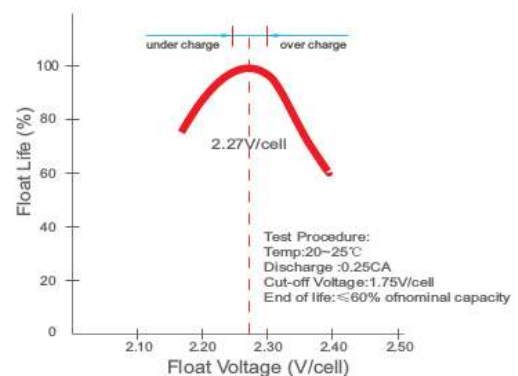
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	200 Ah (C10), 210 Ah (C20)
Energy	2400 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	60 A
Max. Discharge Current	1000 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-200** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

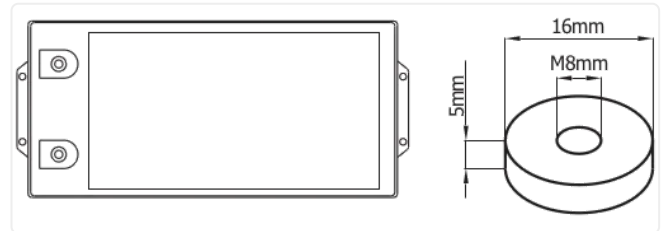
Length: 522 mm

Width: 238 mm

Height: 218 mm

Total Height: 222 mm

Weight: 60 kg



2. TERMINAL CONFIGURATION (F12)

Terminals: Ensure your system's connectors match the F12 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 60 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-160 (12 V · 160 Ah) · **RHP12-250** (12 V · 250 Ah) · [See all RHP series models](#)

The same battery in other series: **RFT12-200** (RFT Series – Front Terminal (AGM))

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<https://rekoser.com> | +34 958 04 29 73

The industry standard. The perfect balance between service life and cost.

The RHP12-250 is a 12 V, 250 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 520 × 269 × 220 mm and weighs 70 kg, with F12 terminals. It stores 3 kWh and delivers up to 1000 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-250**.

Nominal Voltage	12 V
Capacity (25°C)	250 Ah (C10)
Energy	3000 Wh
Weight	70 kg
Terminal	F12
Dimensions	520 × 269 × 220 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

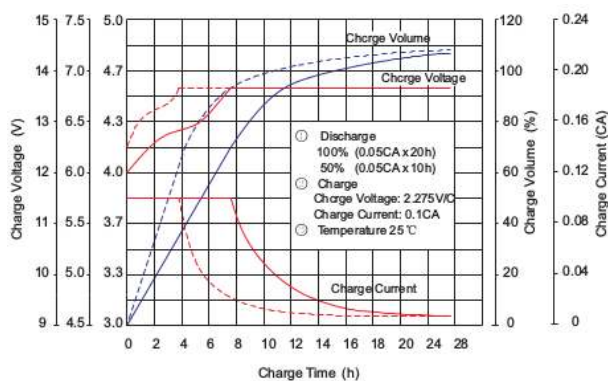
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	299A	271A	249A	177A	115A	51.7A	34.6A	19.5A	10.3A
10.80 V	349A	301A	273A	187A	121A	53.4A	35.5A	20A	10.5A
10.50 V	395A	331A	293A	196A	125A	54.5A	36.4A	20.4A	10.7A
10.20 V	454A	356A	316A	203A	127A	55.3A	36.8A	20.7A	10.9A
10.02 V	509A	392A	334A	211A	130A	56A	37.1A	20.9A	11.2A
9.60 V	570A	425A	355A	221A	134A	56.7A	37.6A	21.2A	11.4A

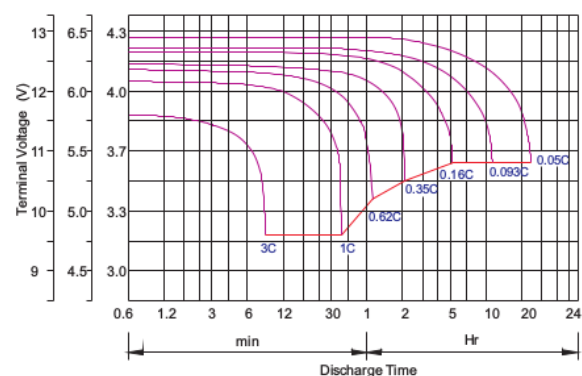
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	563W	514W	476W	340W	224W	91.3W	61.7W	35W	18.5W
10.80 V	646W	564W	517W	357W	232W	93.6W	62.7W	35.8W	18.9W
10.50 V	722W	614W	549W	370W	237W	94.6W	63.7W	36.2W	19.1W
10.20 V	820W	653W	585W	380W	240W	95.3W	64W	36.4W	19.3W
10.02 V	907W	711W	614W	392W	244W	95.8W	64.1W	36.6W	19.6VW
9.60 V	1004W	764W	647W	408W	249W	96.3W	64.5W	36.9W	19.9W

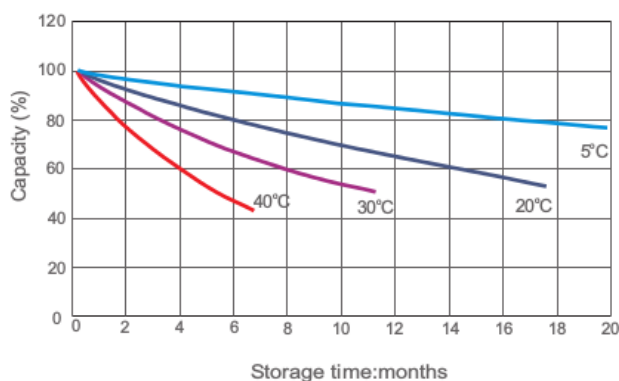
CHARGE CHARACTERISTICS



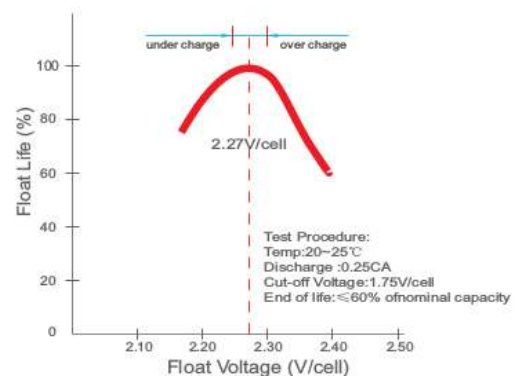
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	250 Ah (C10), 260 Ah (C20)
Energy	3000 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	60 A
Max. Discharge Current	1000 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
Negative	Lead
Positive	Lead dioxide
Safety Valve	Rubber
Sealant	Epoxy Resin
Separator	Fibre Glass
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RHP12-250** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

Length: 520 mm

Width: 269 mm

Height: 220 mm

Total Height: 220 mm

Weight: 70 kg

2. TERMINAL CONFIGURATION (F12)

Terminals: Ensure your system's connectors match the F12 type to prevent electrical arcing.

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 60 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RHP12-200 (12 V · 200 Ah) · [See all RHP series models](#)

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