

RDC Series – Deep Cycle (AGM)

Endurance for frequent charge/discharge cycling.

Designed for persistence, the RDC Series is optimized for severe cyclic service under the EUROBAT 'Cycle Service' classification. Unlike standby batteries, it uses specialized active material that allows it to exceed 400 cycles at 80% Depth of Discharge (DOD). Its internal construction is denser, preventing stratification and ensuring stability after repetitive use. With a 12-year design life, it is the ultimate technical solution for light electric vehicles and solar systems requiring superior 'muscle' and high wear resistance.



MODELS 19	NOMINAL VOLTAGE 2 V, 6 V, 12 V	CAPACITY 12–1000 Ah	DESIGN LIFE 12 years
WARRANTY 2 years	EUROBAT 10-12 Years (High Performance)		

✓ Key features

- Cycling:** Optimized for more than 400 cycles at 80% DOD
- Materials:** Specialized active material and thick plates
- Versatility:** Suitable for both motive and stationary use
- Efficiency:** High recharge acceptance

⚙ Applications

- Solar/Wind Energy Systems**
Energy storage for deep-cycle photovoltaic and wind systems, ensuring stable power supply even during low generation periods.
- Light Electric Vehicles**
Light traction with daily cycling: golf carts, wheelchairs and utility vehicles.

🏆 Standards and certifications

- CE CERTIFIED
- ISO 9001 / 14001
- IEC 60896-21/22
- JIS C8704
- GB/T19639

 RDC 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
RDC2-800 (formerly RKC2-800)	2 V	800 Ah (C10)	410	175	330	51	F10
RDC2-1000 (formerly RKC2-1000)	2 V	1000 Ah (C10)	475	175	330	60	F10
RDC6-200G (formerly RKC6-200G)	6 V	200 Ah (C10)	264	180	247	30	F12
RDC6-235 (formerly RKC6-235)	6 V	235 Ah (C10)	260	180	272	36	F12
RDC6-300 (formerly RKC6-300)	6 V	300 Ah (C10)	295	178	350	46	F13
RDC6-380G (formerly RKC6-380G)	6 V	400 Ah (C20)	295	180	406	53	F12
RDC12-12 (formerly RKC12-12)	12 V	12 Ah (C10)	151	98	95	3.45	F11
RDC12-33 (formerly RKC12-33)	12 V	33 Ah (C10)	195	130	155	10.2	F11
RDC12-55 (formerly RKC12-55)	12 V	55 Ah (C10)	229	138	208	16.5	F11
RDC12-65 (formerly RKC12-65)	12 V	65 Ah (C10)	350	167	179	20.5	F14
RDC12-75 (formerly RKC12-75)	12 V	75 Ah (C10)	260	169	208	22.5	F11
RDC12-80 (formerly RKC12-80)	12 V	80 Ah (C10)	350	167	179	23	F11
RDC12-90 (formerly RKC12-90)	12 V	90 Ah (C10)	306	169	208	27.5	F14
RDC12-100 (formerly RKC12-100)	12 V	100 Ah (C10)	328	171	214	30	F14
RDC12-120 (formerly RKC12-120)	12 V	120 Ah (C10)	406	173	227	34	F12
RDC12-134 (formerly RKC12-134)	12 V	134 Ah (C10)	410	176	227	34	F12
RDC12-150 (formerly RKC12-150)	12 V	150 Ah (C10)	485	172	240	44	F13
RDC12-250 (formerly RKC12-250)	12 V	250 Ah (C10)	520	269	220	70	F13
RDC12-260 (formerly RKC12-260)	12 V	260 Ah (C10)	520	269	220	72	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

Endurance for frequent charge/discharge cycling.

The RDC2-800 is a 2 V, 800 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 410 × 175 × 330 mm and weighs 51 kg, with F10 terminals. It stores 1.6 kWh and delivers up to 3200 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC2-800**.



MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

Nominal Voltage	2 V
Capacity (25°C)	800 Ah (C10)
Energy	1600 Wh
Weight	51 kg
Terminal	F10
Dimensions	410 × 175 × 330 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



**SOLAR/WIND ENERGY
SYSTEMS**



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

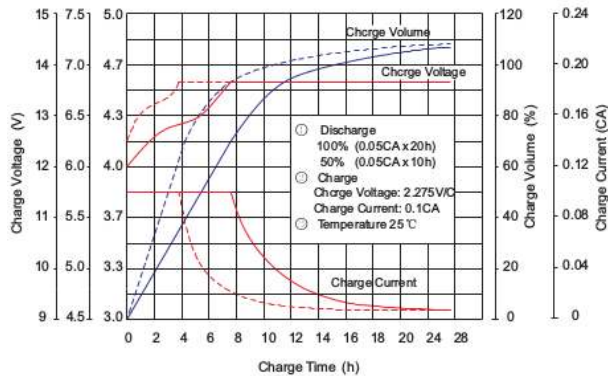
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	643A	438A	198A	138A	80A	42A
1.75 V	667A	452A	204A	142A	80.6A	42.3A
1.70 V	684A	461A	205A	143A	81A	42.5A
1.65 V	706A	473A	207A	144A	81.3A	42.7A
1.60 V	720A	480A	208A	145A	81.4A	42.8A

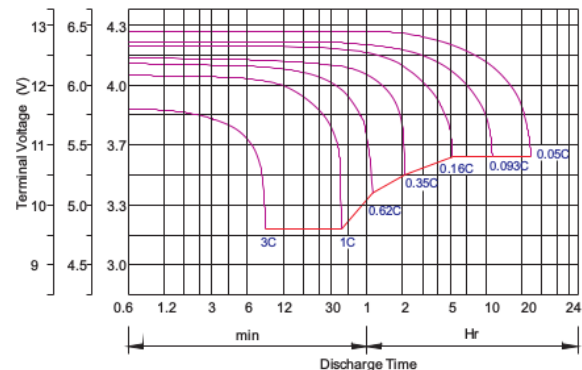
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	1202W	832W	388W	272W	159W	84W
1.75 V	1248W	858W	400W	281W	160W	84.6W
1.70 V	1279W	876W	403W	282W	161W	85.1W
1.65 V	1319W	898W	405W	284W	162W	85.3W
1.60 V	1346W	912W	408W	286W	162W	85.5W

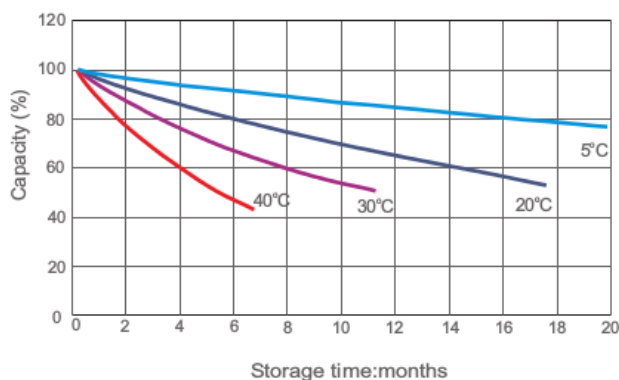
CHARGE CHARACTERISTICS



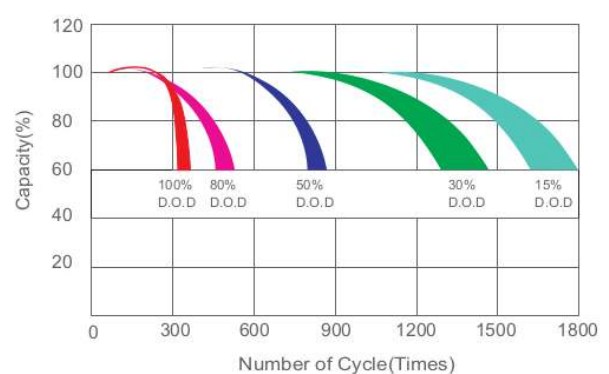
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	800 Ah (C10)
Energy	1600 Wh
Charge Voltage (25°C)	Cycle use: 2.35-2.40V (-30mV/C) Float use: 2.25-2.29V (-20mV/C)
Max. Charge Current	160 A
Max. Discharge Current	3200 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RDC2-800** 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:

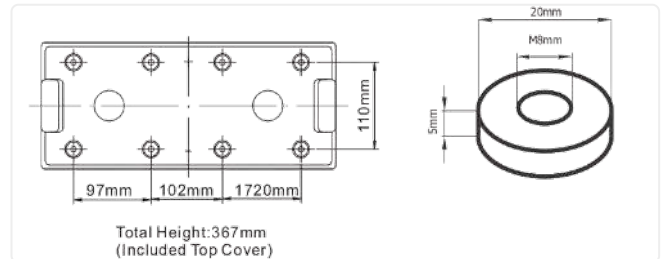
Length: 410 mm

Width: 175 mm

Height: 330 mm

Total Height: 367 mm

Weight: 51 kg



2. TERMINAL CONFIGURATION (F10)

Terminals: Ensure your system's connectors match the F10 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: 2.35-2.40V (-30mV/C)

Float use: 2.25-2.29V (-20mV/C)

Maximum Current: Do not exceed 160 A of charge.

4. SAFETY AND STORAGE

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

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC2-1000 (2 V · 1000 Ah) · [See all RDC series models](#)

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

Endurance for frequent charge/discharge cycling.

The RDC2-1000 is a 2 V, 1000 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 475 × 175 × 330 mm and weighs 60 kg, with F10 terminals. It stores 2 kWh and delivers up to 4000 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC2-1000**.



MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

Nominal Voltage	2 V
Capacity (25°C)	1000 Ah (C10)
Energy	2000 Wh
Weight	60 kg
Terminal	F10
Dimensions	475 × 175 × 330 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



**SOLAR/WIND ENERGY
SYSTEMS**



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

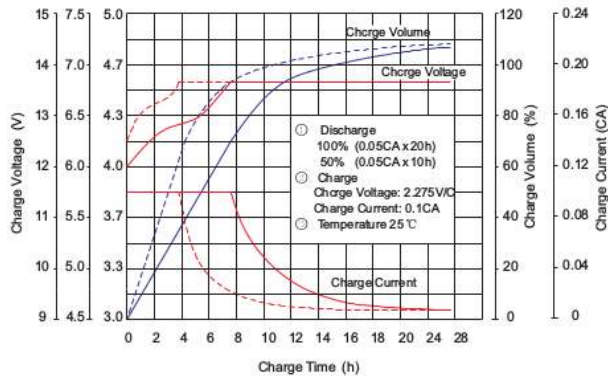
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	804A	547A	247A	173A	100A	52.5A
1.75 V	834A	565A	255A	178A	101A	52.9A
1.70 V	855A	576A	257A	179A	101A	53.2A
1.65 V	882A	591A	259A	180A	102A	53.3A
1.60 V	900A	600A	260A	182A	102A	53.4A

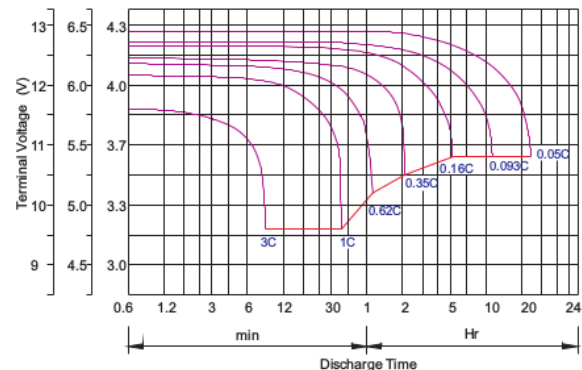
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	1503W	1040W	485W	340W	199W	105W
1.75 V	1560W	1073W	500W	351W	200W	106W
1.70 V	1599W	1094W	503W	353W	202W	106W
1.65 V	1649W	1123W	507W	356W	202W	107W
1.60 V	1683W	1140W	510W	358W	203W	107W

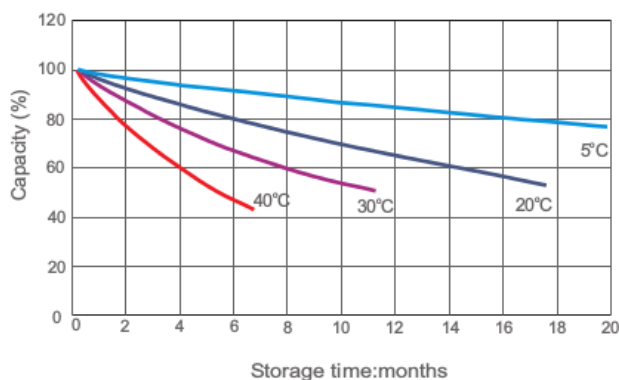
CHARGE CHARACTERISTICS



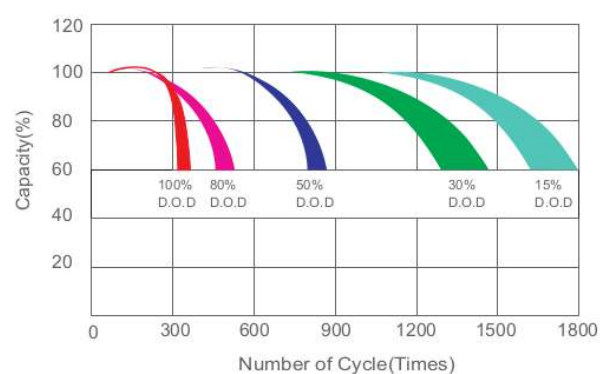
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	1000 Ah (C10), 1050 Ah (C20)
Energy	2000 Wh
Charge Voltage (25°C)	Cycle use: 2.35-2.40V (-30mV/C) Float use: 2.25-2.29V (-20mV/C)
Max. Charge Current	200 A
Max. Discharge Current	4000 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RDC2-1000** 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:

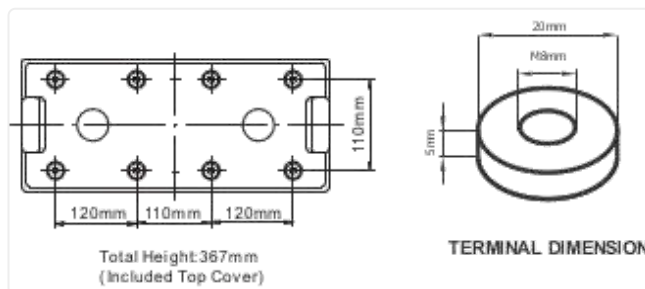
Length: 475 mm

Width: 175 mm

Height: 330 mm

Total Height: 367 mm

Weight: 60 kg



2. TERMINAL CONFIGURATION (F10)

Terminals: Ensure your system's connectors match the F10 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: 2.35-2.40V (-30mV/C)

Float use: 2.25-2.29V (-20mV/C)

Maximum Current: Do not exceed 200 A of charge.

4. SAFETY AND STORAGE

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

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC2-800 (2 V · 800 Ah) · [See all RDC series models](#)

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

Endurance for frequent charge/discharge cycling.

The RDC6-200G is a 6 V, 200 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 264 × 180 × 247 mm and weighs 30 kg, with F12 terminals. It stores 1.2 kWh and delivers up to 1200 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC6-200G**.

Nominal Voltage	6 V
Capacity (25°C)	200 Ah (C10)
Energy	1200 Wh
Weight	30 kg
Terminal	F12
Dimensions	264 × 180 × 247 mm

MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

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



**SOLAR/WIND ENERGY
SYSTEMS**



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

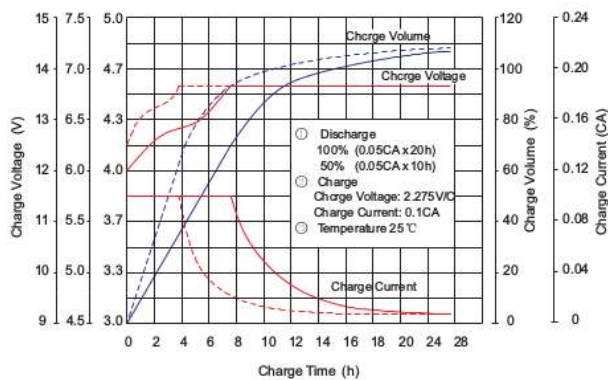
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
4.8 V	525A	435A	345A	215A	128A	53.8A	38.1A	20.2A	10.7A
4.95 V	490A	410A	325A	207A	126A	52.9A	37.8A	20.1A	10.7A
5.1 V	455A	385A	305A	199A	124A	52A	37.5A	20A	10.6A
5.25 V	420A	358A	285A	191A	121A	51.1A	37A	20A	10.5A
5.4 V	370A	328A	263A	181A	117A	50A	36.4A	19.2A	10.4A

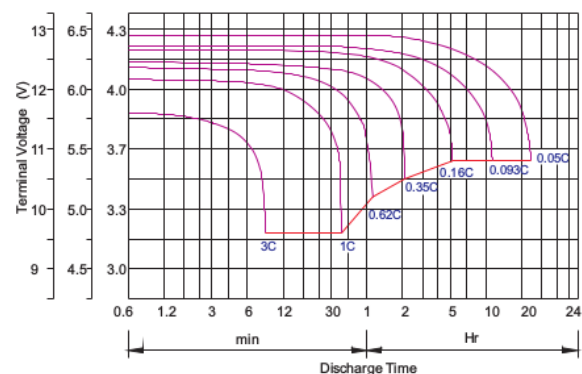
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
4.8 V	865W	715W	587W	378W	250W	97.9W	70.7W	W	W
4.95 V	819W	680W	559W	364W	245W	96.6W	70.1W	W	W
5.1 V	773W	644W	541W	350W	241W	95.3W	69.5W	W	W
5.25 V	727W	606W	523W	336W	236W	93.9W	69W	W	W
5.4 V	579W	576W	492W	322W	231W	92.9W	68.4W	W	W

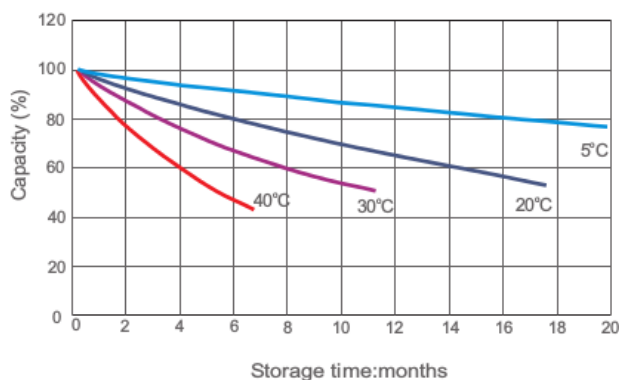
CHARGE CHARACTERISTICS



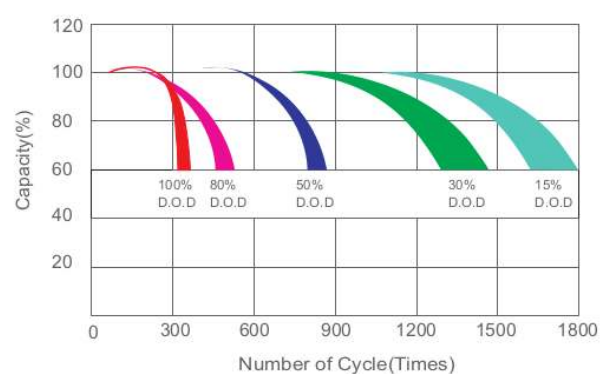
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	6 V
Capacity (25°C)	200 Ah (C10)
Energy	1200 Wh
Cell number	3
Charge Voltage (25°C)	Cycle use: 7.35-7.45V (-30mV/C), max. Current 2.1A Float use: 6.8-6.9V (-20mV/C)
Max. Charge Current	39 A
Max. Discharge Current	1200 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RDC6-200G** 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:

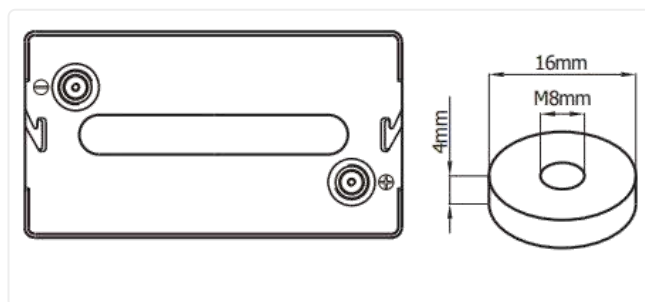
Length: 264 mm

Width: 180 mm

Height: 247 mm

Total Height: 250 mm

Weight: 30 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: 7.35-7.45V (-30mV/C), max. Current 2.1A

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

Maximum Current: Do not exceed 39 A of charge.

4. SAFETY AND STORAGE

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

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC6-235 (6 V · 235 Ah) · [See all RDC series models](#)

Specialized Technical Support

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

Endurance for frequent charge/discharge cycling.

The RDC6-235 is a 6 V, 235 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 260 × 180 × 272 mm and weighs 36 kg, with F12 terminals. It stores 1.41 kWh and delivers up to 1300 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC6-235**.



MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

Nominal Voltage	6 V
Capacity (25°C)	235 Ah (C10)
Energy	1410 Wh
Weight	36 kg
Terminal	F12
Dimensions	260 × 180 × 272 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



SOLAR/WIND ENERGY SYSTEMS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

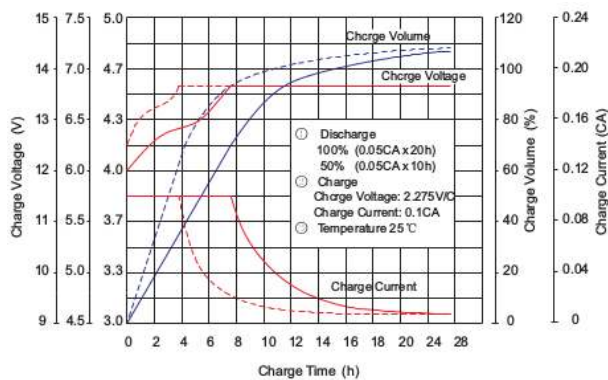
Constant Discharge Ratings (A) at 25°C

F.V / Time	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
4.80 V	493A	391A	224A	145A	68.3A	44.3A	23.8A	13.07A
4.95 V	465A	369A	235A	143A	66A	43.9A	23.8A	13.07A
5.10 V	437A	346A	226A	141A	65.2A	43.6A	23.7A	12.95A
5.25 V	406A	323A	217A	135A	64.9A	43A	23.7A	12.82A
5.40 V	372A	298A	205A	131A	62.1A	42.3A	23.5A	12.7A

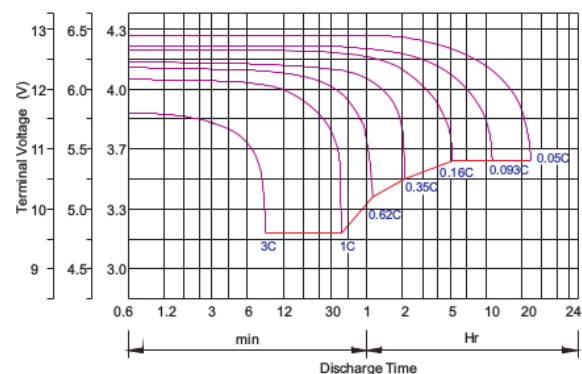
Constant Discharge Ratings (W) at 25°C

F.V / Time	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
4.80 V	881W	656W	429W	307W	253W	164W	124W	82.1W
4.95 V	771W	634W	413W	301W	250W	162W	123W	81.4W
5.10 V	730W	614W	397W	295W	246W	158W	121W	80.4W
5.25 V	687W	593W	381W	288W	244W	155W	119W	80.1W
5.40 V	653W	558W	365W	282W	242W	150W	118W	79.4W

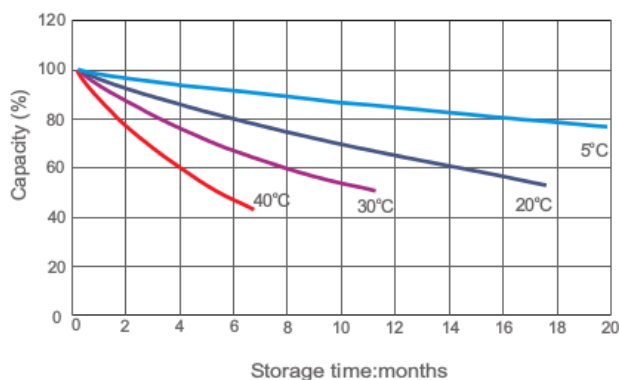
CHARGE CHARACTERISTICS



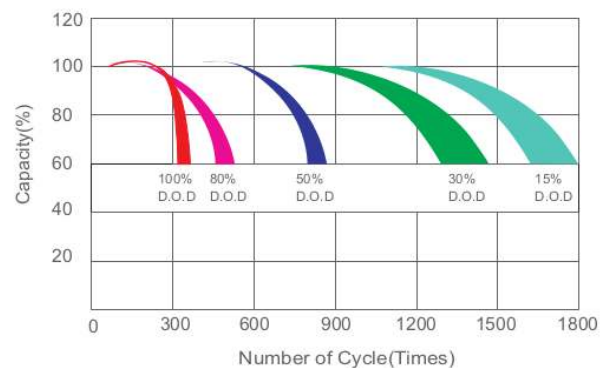
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	6 V
Capacity (25°C)	235 Ah (C10)
Energy	1410 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	47 A
Max. Discharge Current	1300 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RDC6-235** 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:

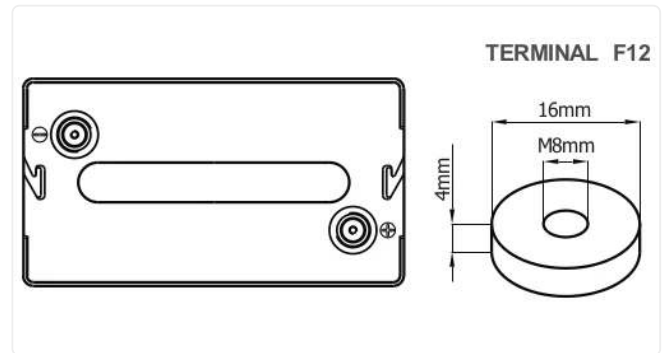
Length: 260 mm

Width: 180 mm

Height: 272 mm

Total Height: 272 mm

Weight: 36 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 47 A of charge.

4. SAFETY AND STORAGE

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

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC6-200G (6 V · 200 Ah) · **RDC6-300** (6 V · 300 Ah) · [See all RDC series models](#)

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

Endurance for frequent charge/discharge cycling.

The RDC6-300 is a 6 V, 300 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 295 × 178 × 350 mm and weighs 46 kg, with F13 terminals. It stores 1.8 kWh and delivers up to 1000 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC6-300**.

Nominal Voltage	6 V
Capacity (25°C)	300 Ah (C10)
Energy	1800 Wh
Weight	46 kg
Terminal	F13
Dimensions	295 × 178 × 350 mm

MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

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



**SOLAR/WIND ENERGY
SYSTEMS**



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

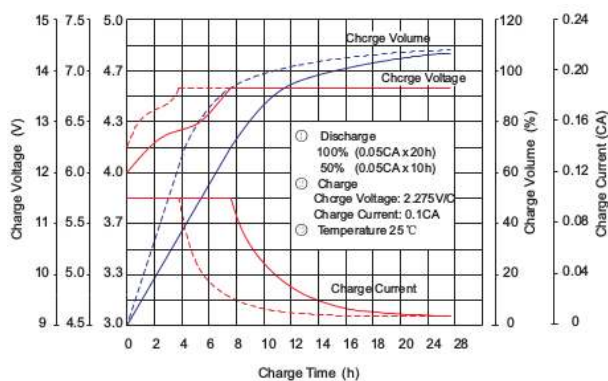
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
5.55 V	448A	406A	374A	265A	173A	77.5A	52A	29.2A	15.4A
5.40 V	523A	451A	410A	281A	181A	80.1A	53.2A	30A	15.7A
5.25 V	592A	496A	440A	294A	187A	81.7A	54.5A	30.6A	16.1A
5.10 V	681A	534A	474A	305A	191A	83A	55.2A	31A	16.4A
5.01 V	763A	587A	501A	316A	196A	84A	55.7A	31.4A	16.7A
4.80 V	855A	638A	532A	331A	201A	85A	56.5A	31.8A	17.1A

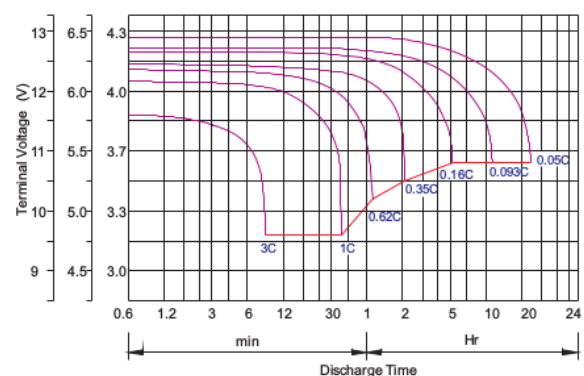
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
5.55 V	844W	771W	714W	511W	336W	152W	103W	58.4W	30.9W
5.40 V	970W	846W	776W	535W	347W	156W	104W	59.6W	31.4W
5.25 V	1082W	921W	824W	555W	356W	158W	106W	60.3W	31.8W
5.10 V	1229W	980W	878W	570W	361W	159W	107W	60.7W	32.2W
5.01 V	1361W	1067W	921W	588W	367W	160W	108W	61W	32.7VW
4.80 V	1506W	1146W	970W	612W	374W	161W	110W	61.4W	33.2W

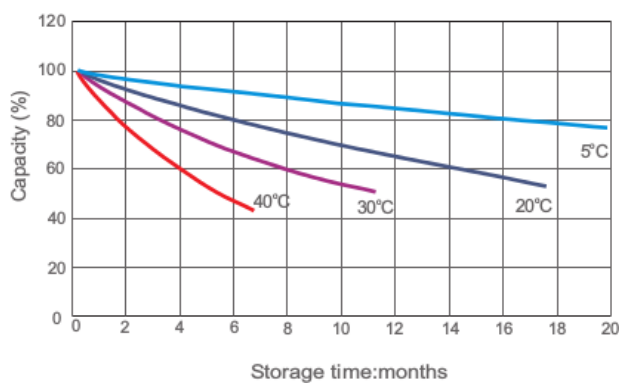
CHARGE CHARACTERISTICS



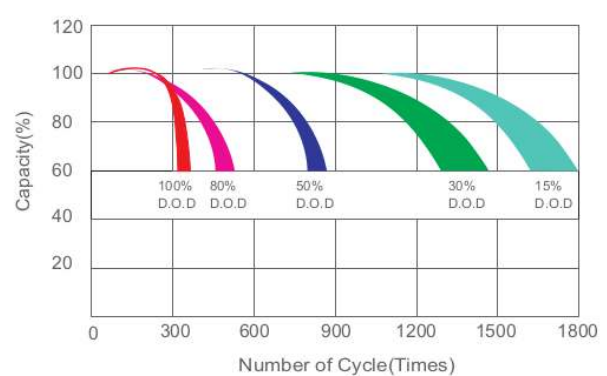
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	6 V
Capacity (25°C)	300 Ah (C10), 314 Ah (C20)
Energy	1800 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	90 A
Max. Discharge Current	1000 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RDC6-300** 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:

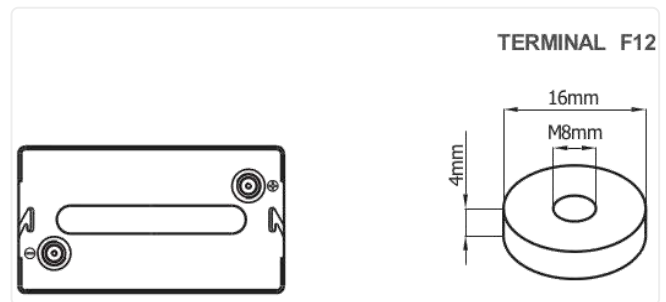
Length: 295 mm

Width: 178 mm

Height: 350 mm

Total Height: 350 mm

Weight: 46 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: 7.2-7.4V (-30mV/C), max. Current 2.1A

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

Maximum Current: Do not exceed 90 A of charge.

4. SAFETY AND STORAGE

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

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC6-235 (6 V · 235 Ah) · **RDC6-380G** (6 V · 400 Ah) · [See all RDC series models](#)

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

Endurance for frequent charge/discharge cycling.

The RDC6-380G is a 6 V, 400 Ah (20-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 295 × 180 × 406 mm and weighs 53 kg, with F12 terminals. It stores 2.4 kWh and delivers up to 1600 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC6-380G**.

Nominal Voltage	6 V
Capacity (25°C)	400 Ah (C20)
Energy	2400 Wh
Weight	53 kg
Terminal	F12
Dimensions	295 × 180 × 406 mm

MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

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



**SOLAR/WIND ENERGY
SYSTEMS**



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

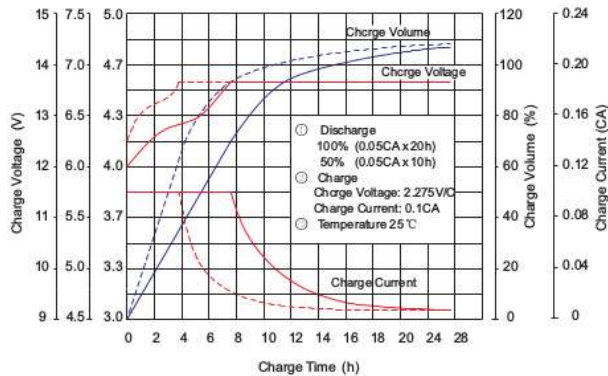
Constant Discharge Ratings (A) at 25°C

F.V / Time	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
5.4 V	459A	423A	310A	201A	85.5A	63.8A	38A	20A
5.25 V	483A	451A	325A	210A	90.7A	66A	38.4A	20.1A
5.1 V	525A	478A	335A	217A	95A	67.5A	38.5A	20.1A
4.95 V	577A	504A	346A	223A	99.1A	68A	38.7A	20.2A
4.8 V	588A	528A	366A	235A	102A	70.3A	38.8A	20.3A

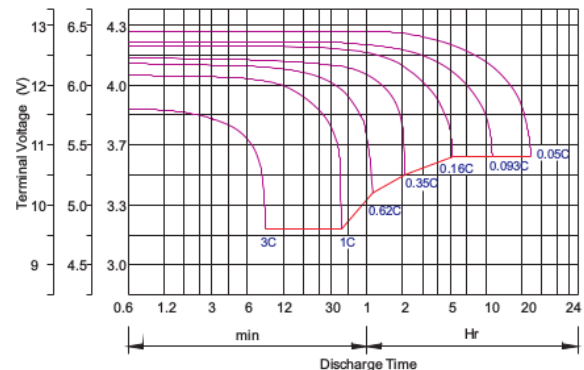
Constant Discharge Ratings (W) at 25°C

F.V / Time	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
5.4 V	800W	776W	585W	489W	403W	263W	190W	125W
5.25 V	861W	820W	600W	510W	420W	272W	196W	128W
5.1 V	930W	855W	620W	530W	438W	280W	202W	130W
4.95 V	960W	879W	638W	550W	455W	288W	206W	132W
4.8 V	1020W	915W	659W	572W	472W	295W	212W	134W

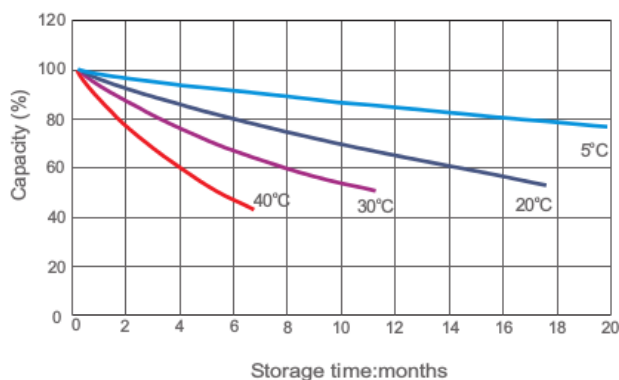
CHARGE CHARACTERISTICS



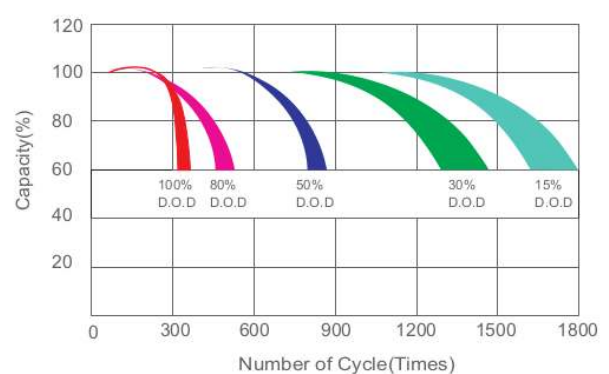
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	6 V
Capacity (25°C)	400 Ah (C20)
Energy	2400 Wh
Cell number	3
Charge Voltage (25°C)	Cycle use: 6.35-6.45V (-30mV/C), max. Current 76A Float use: 6.8-6.9V (-20mV/C)
Max. Charge Current	76 A
Max. Discharge Current	1600 A
Internal Resistance	1.7 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RDC6-380G** 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: 295 mm

Width: 180 mm

Height: 406 mm

Total Height: 412 mm

Weight: 53 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: 6.35-6.45V (-30mV/C), max. Current 76A

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

Maximum Current: Do not exceed 76 A of charge.

4. SAFETY AND STORAGE

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

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC6-300 (6 V · 300 Ah) · [See all RDC series models](#)

Specialized Technical Support

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

Endurance for frequent charge/discharge cycling.

The RDC12-12 is a 12 V, 12 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 151 × 98 × 95 mm and weighs 3.45 kg, with F11 terminals. It stores 144 Wh and delivers up to 180 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC12-12**.



MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

Nominal Voltage	12 V
Capacity (25°C)	12 Ah (C10)
Energy	144 Wh
Weight	3.45 kg
Terminal	F11
Dimensions	151 × 98 × 95 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



SOLAR/WIND ENERGY SYSTEMS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

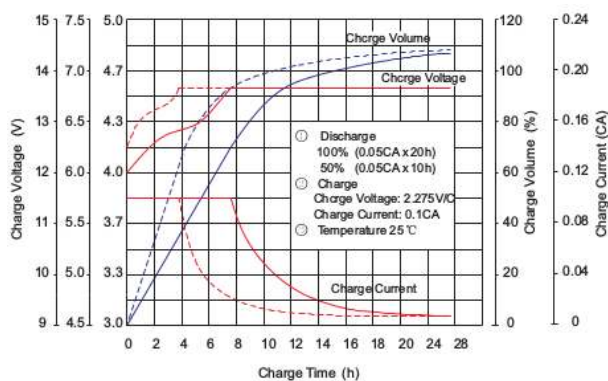
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	30A	23.5A	19.9A	12.2A	7.28A	3.16A	2.03A	1.12A	0.57A
10.80 V	33.9A	24.9A	20.4A	12.5A	7.39A	3.19A	2.05A	1.13A	0.59A
10.50 V	37.8A	26.3A	20.9A	12.7A	7.55A	3.24A	2.08A	1.15A	0.6A
10.20 V	41.5A	27.6A	21.4A	13A	7.68A	3.28A	2.1A	1.16A	0.61A
10.02 V	44.7A	28.8A	22A	13.2A	7.8A	3.31A	2.13A	1.17A	0.63A
9.60 V	48.1A	29.8A	22.8A	13.5A	7.9A	3.34A	2.16A	1.19A	0.64A

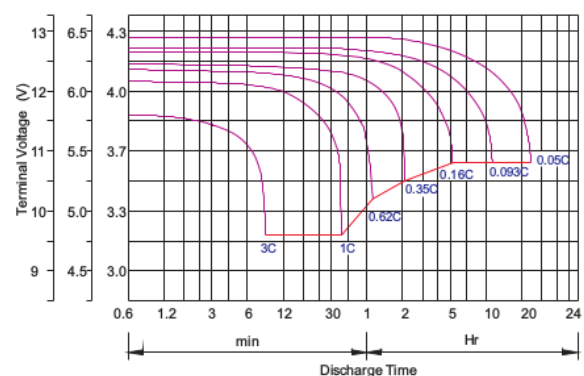
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	56.4W	44.6W	38W	23.5W	14.1W	6.2W	4.02W	2.24W	1.15W
10.80 V	62.7W	46.7W	38.6W	23.8W	14.2W	6.22W	4.03W	2.25W	1.17W
10.50 V	69.1W	48.9W	39.1W	24W	14.4W	6.26W	4.04W	2.26W	1.19W
10.20 V	74.8W	50.6W	39.7W	24.3W	14.5W	6.27W	4.07W	2.27W	1.21W
10.02 V	79.7W	52.3W	40.4W	24.6W	14.6W	6.28W	4.09W	2.28W	1.22W
9.60 V	84.7W	53.6W	41.5W	25W	14.7W	6.31W	4.11W	2.3W	1.23W

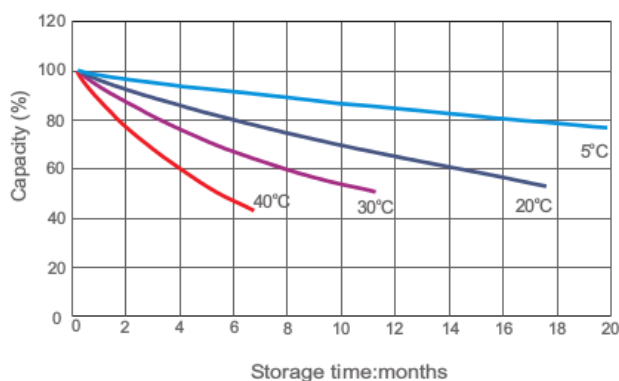
CHARGE CHARACTERISTICS



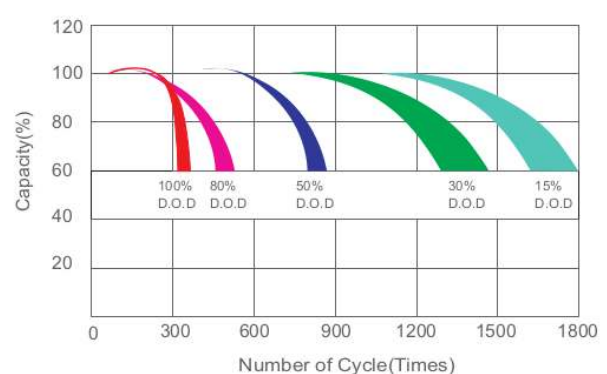
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	12 Ah (C10)
Energy	144 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	3.6 A
Max. Discharge Current	180 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RDC12-12** 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: 151 mm

Width: 98 mm

Height: 95 mm

Total Height: 101 mm

Weight: 3.45 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 3.6 A of charge.

4. SAFETY AND STORAGE

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

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC12-33 (12 V · 33 Ah) · [See all RDC series models](#)

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

Endurance for frequent charge/discharge cycling.

The RDC12-33 is a 12 V, 33 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (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. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC12-33**.



MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

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



SOLAR/WIND ENERGY SYSTEMS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

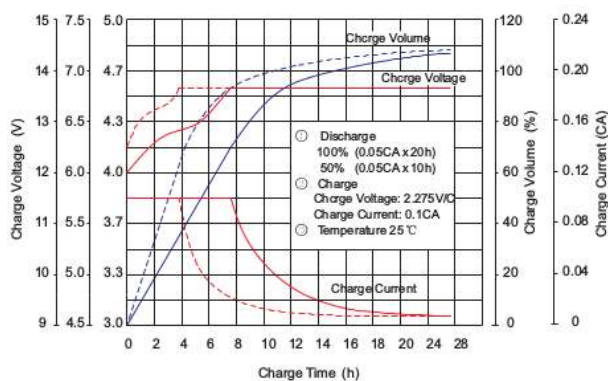
Constant Discharge Ratings (A) at 25°C

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

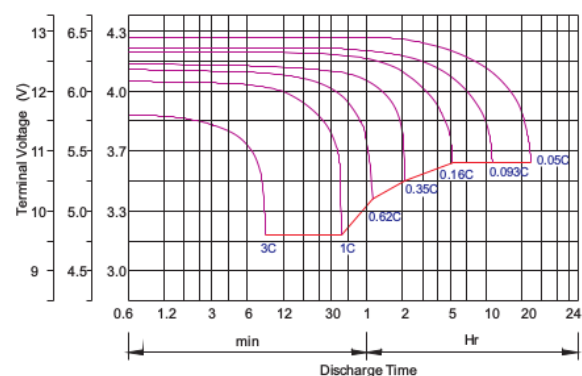
Constant Discharge Ratings (W) at 25°C

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

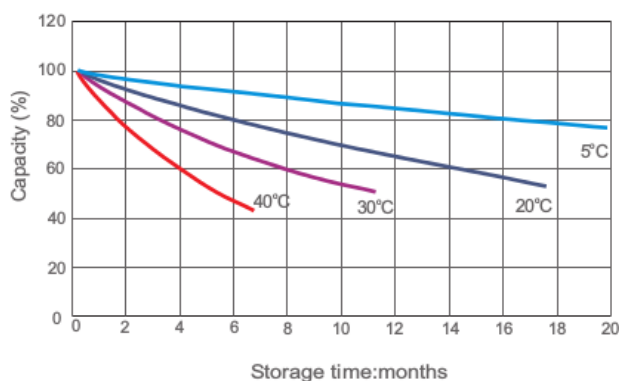
CHARGE CHARACTERISTICS



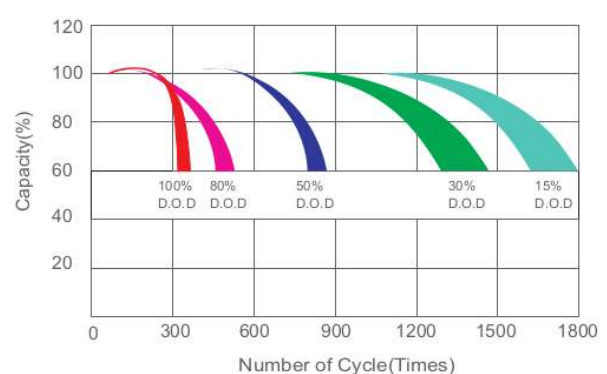
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	33 Ah (C10)
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 20 °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 RDC12-33** 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.

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC12-12 (12 V · 12 Ah) · **RDC12-55** (12 V · 55 Ah) · [See all RDC series models](#)

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

Endurance for frequent charge/discharge cycling.

The RDC12-55 is a 12 V, 55 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 229 × 138 × 208 mm and weighs 16.5 kg, with F11 terminals. It stores 660 Wh and delivers up to 500 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC12-55**.

Nominal Voltage	12 V
Capacity (25°C)	55 Ah (C10)
Energy	660 Wh
Weight	16.5 kg
Terminal	F11
Dimensions	229 × 138 × 208 mm

MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

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



**SOLAR/WIND ENERGY
SYSTEMS**



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

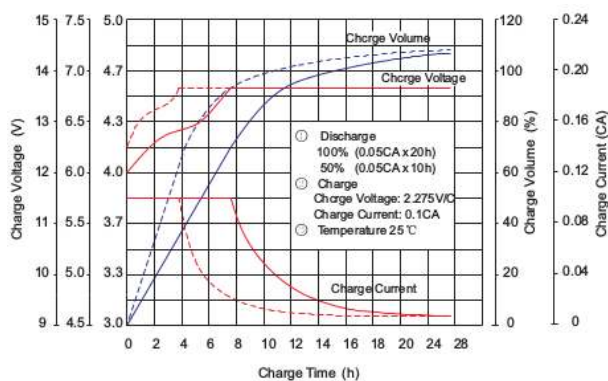
Constant Discharge Ratings (A) at 25°C

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

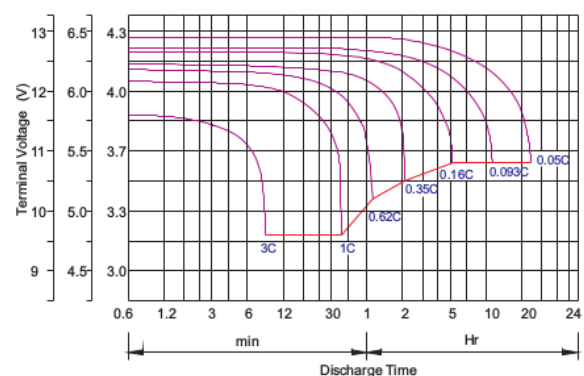
Constant Discharge Ratings (W) at 25°C

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

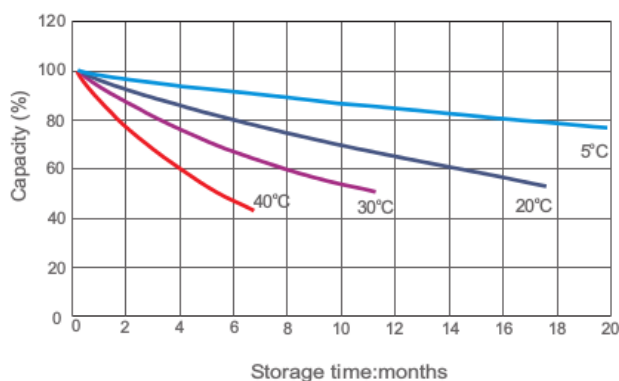
CHARGE CHARACTERISTICS



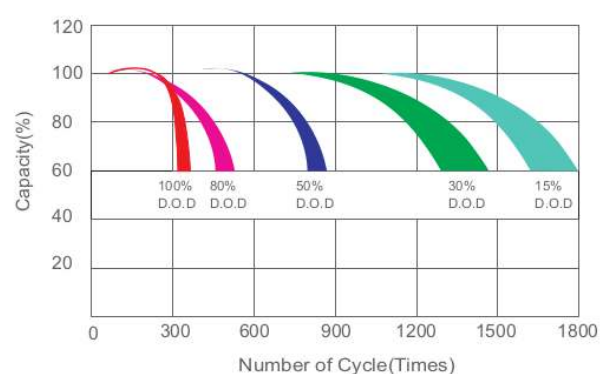
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



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 20 °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 RDC12-55** 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 (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 16.5 A of charge.

4. SAFETY AND STORAGE

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

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC12-33 (12 V · 33 Ah) · **RDC12-65** (12 V · 65 Ah) · [See all RDC series models](#)

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

Endurance for frequent charge/discharge cycling.

The RDC12-65 is a 12 V, 65 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 350 × 167 × 179 mm and weighs 20.5 kg, with F14 terminals. It stores 780 Wh and delivers up to 650 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC12-65**.

Nominal Voltage	12 V
Capacity (25°C)	65 Ah (C10)
Energy	780 Wh
Weight	20.5 kg
Terminal	F14
Dimensions	350 × 167 × 179 mm

MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

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



**SOLAR/WIND ENERGY
SYSTEMS**



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

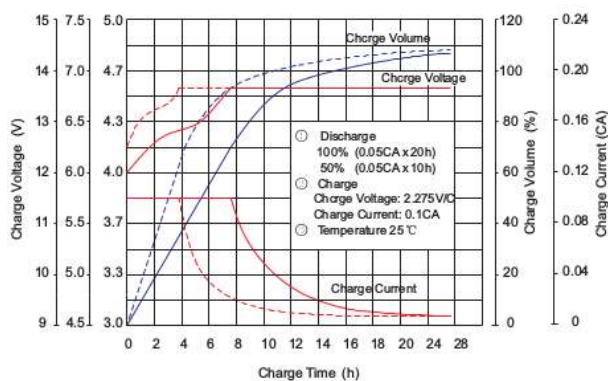
Constant Discharge Ratings (A) at 25°C

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

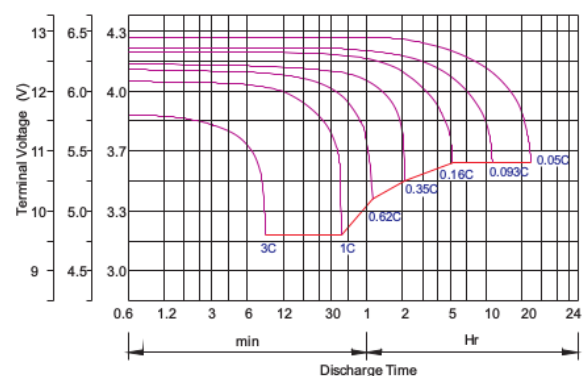
Constant Discharge Ratings (W) at 25°C

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

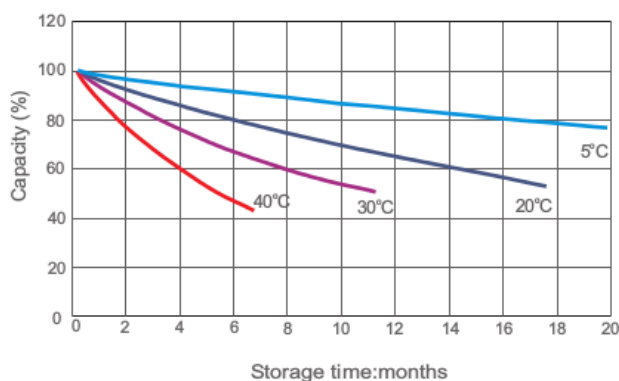
CHARGE CHARACTERISTICS



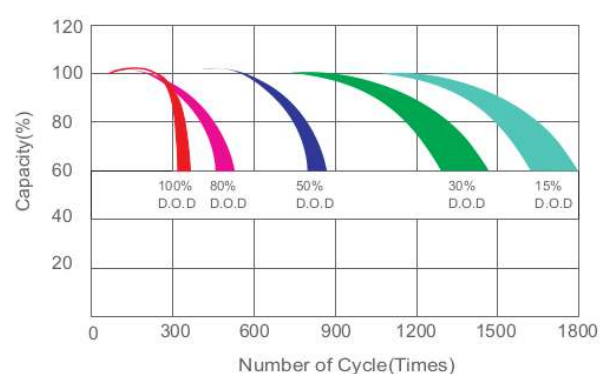
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



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 20 °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 RDC12-65** 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 (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 19.5 A of charge.

4. SAFETY AND STORAGE

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

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC12-55 (12 V · 55 Ah) · **RDC12-75** (12 V · 75 Ah) · [See all RDC series models](#)

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

Endurance for frequent charge/discharge cycling.

The RDC12-75 is a 12 V, 75 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (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. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC12-75**.

Nominal Voltage	12 V
Capacity (25°C)	75 Ah (C10)
Energy	900 Wh
Weight	22.5 kg
Terminal	F11
Dimensions	260 × 169 × 208 mm

MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

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



**SOLAR/WIND ENERGY
SYSTEMS**



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

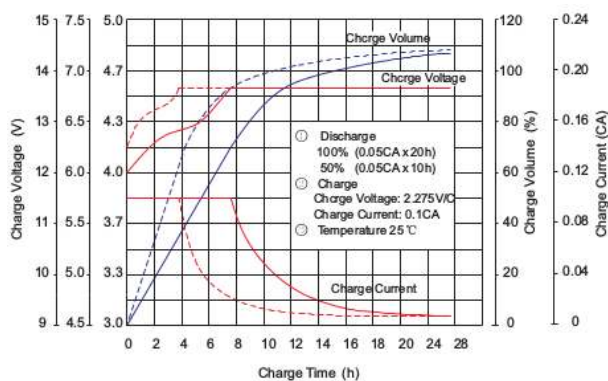
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	118A	106A	96A	367A	743A	419A	513A	57.3A	13.8A
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	7.65A	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

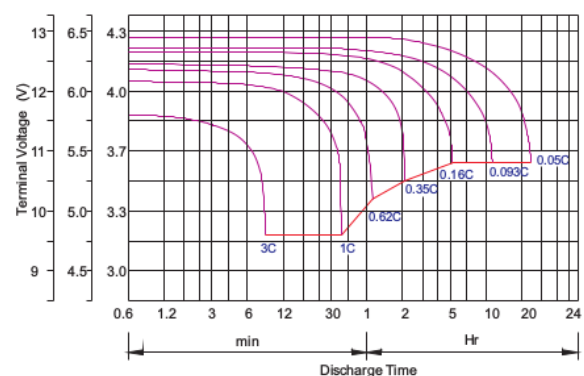
Constant Discharge Ratings (W) at 25°C

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

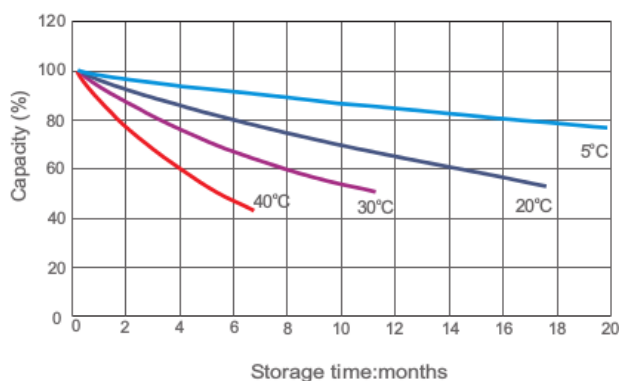
CHARGE CHARACTERISTICS



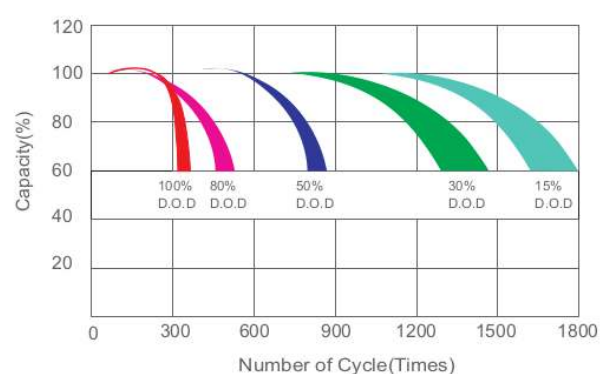
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	75 Ah (C10)
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	22.4 A
Max. Discharge Current	675 A
Internal Resistance	55 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RDC12-75** 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 22.4 A of charge.

4. SAFETY AND STORAGE

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

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC12-65 (12 V · 65 Ah) · **RDC12-80** (12 V · 80 Ah) · [See all RDC series models](#)

The same battery in other series: **RFC12-75** (RFC Series – Front Terminal Deep Cycle)

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

Endurance for frequent charge/discharge cycling.

The RDC12-80 is a 12 V, 80 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 350 × 167 × 179 mm and weighs 23 kg, with F11 terminals. It stores 960 Wh and delivers up to 720 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC12-80**.

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

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

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



**SOLAR/WIND ENERGY
SYSTEMS**



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

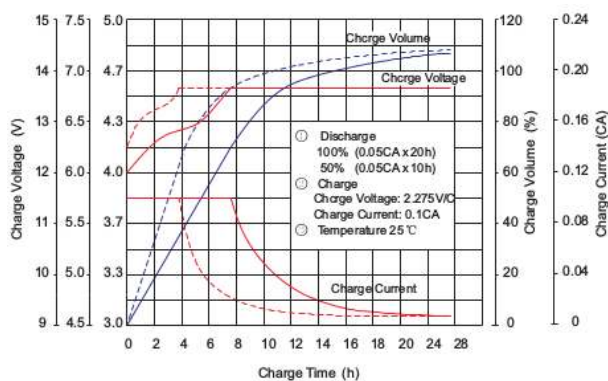
Constant Discharge Ratings (A) at 25°C

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

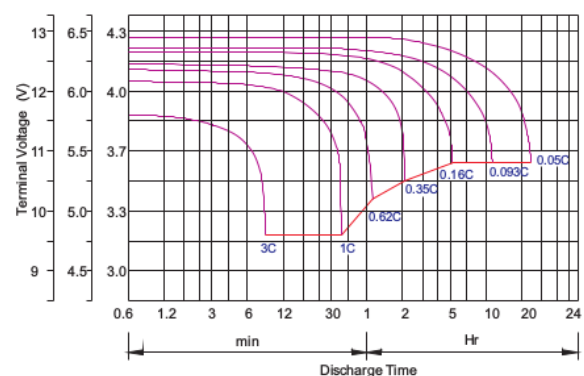
Constant Discharge Ratings (W) at 25°C

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

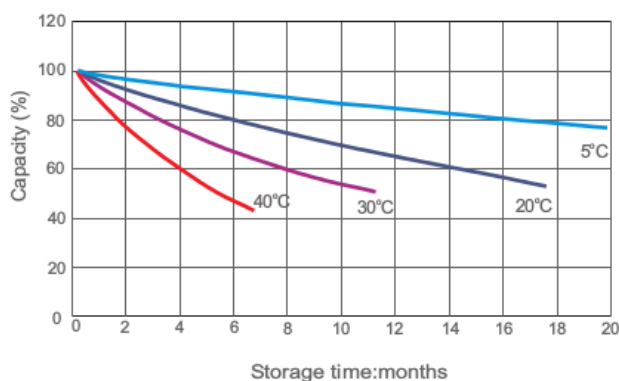
CHARGE CHARACTERISTICS



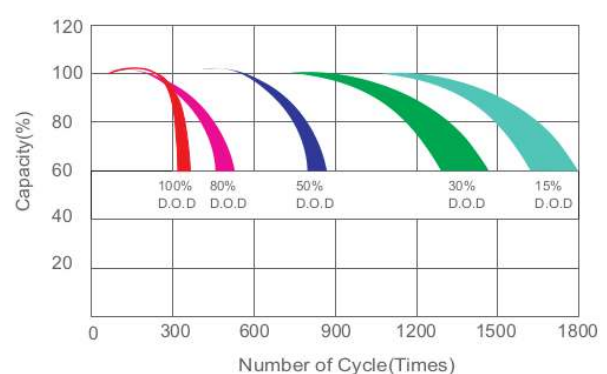
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



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	24 A
Max. Discharge Current	720 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RDC12-80** 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 24 A of charge.

4. SAFETY AND STORAGE

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

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC12-75 (12 V · 75 Ah) · **RDC12-90** (12 V · 90 Ah) · [See all RDC series models](#)

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

Endurance for frequent charge/discharge cycling.

The RDC12-90 is a 12 V, 90 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 306 × 169 × 208 mm and weighs 27.5 kg, with F14 terminals. It stores 1.08 kWh and delivers up to 720 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC12-90**.

Nominal Voltage	12 V
Capacity (25°C)	90 Ah (C10)
Energy	1080 Wh
Weight	27.5 kg
Terminal	F14
Dimensions	306 × 169 × 208 mm

MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

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



**SOLAR/WIND ENERGY
SYSTEMS**



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

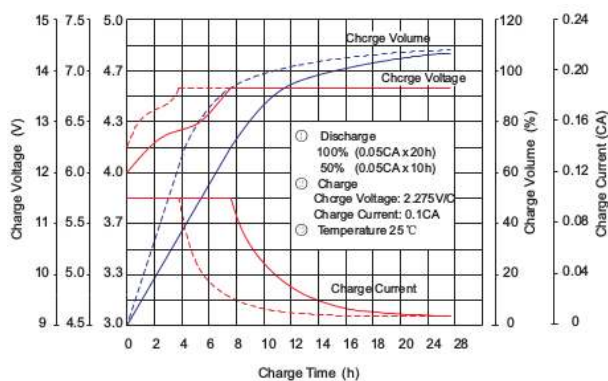
Constant Discharge Ratings (A) at 25°C

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	99.9A	60.8A	25.5A	16.9A	9.55A	5.14A

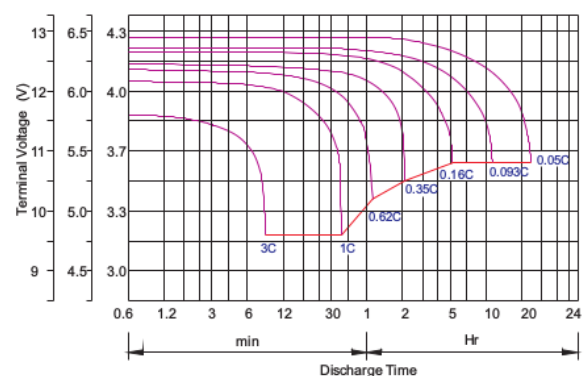
Constant Discharge Ratings (W) at 25°C

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

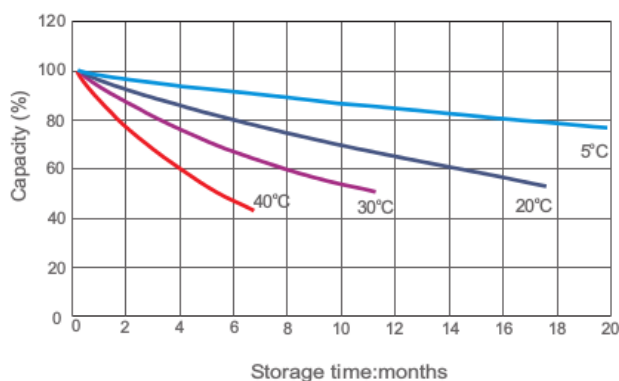
CHARGE CHARACTERISTICS



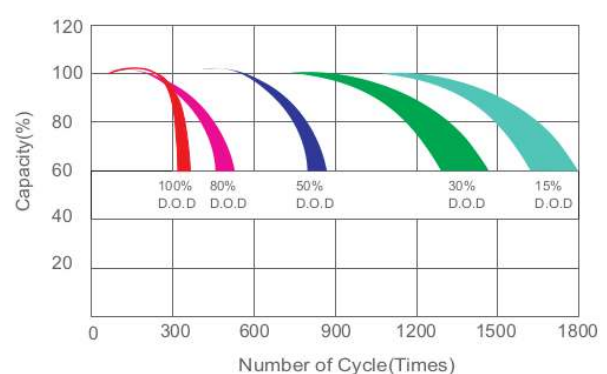
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	90 Ah (C10)
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 20 °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 RDC12-90** 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:

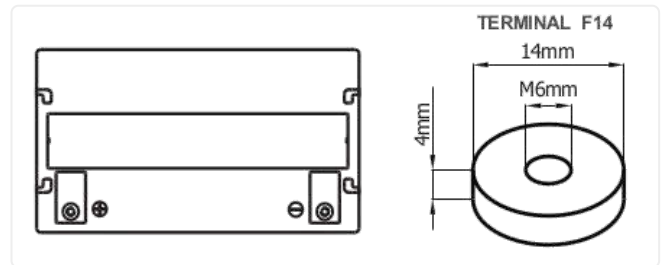
Length: 306 mm

Width: 169 mm

Height: 208 mm

Total Height: 212 mm

Weight: 27.5 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 27 A of charge.

4. SAFETY AND STORAGE

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

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC12-80 (12 V · 80 Ah) · **RDC12-100** (12 V · 100 Ah) · [See all RDC series models](#)

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

Endurance for frequent charge/discharge cycling.

The RDC12-100 is a 12 V, 100 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (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. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC12-100**.

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

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

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



**SOLAR/WIND ENERGY
SYSTEMS**



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

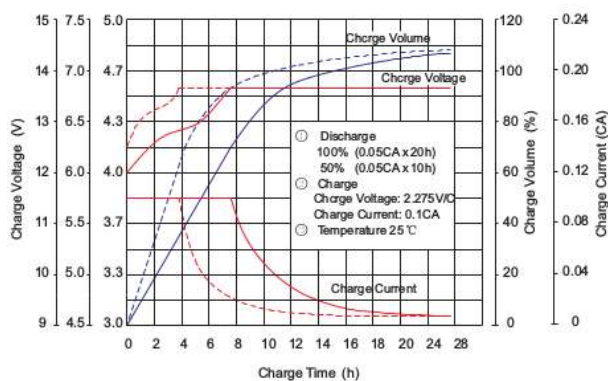
Constant Discharge Ratings (A) at 25°C

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

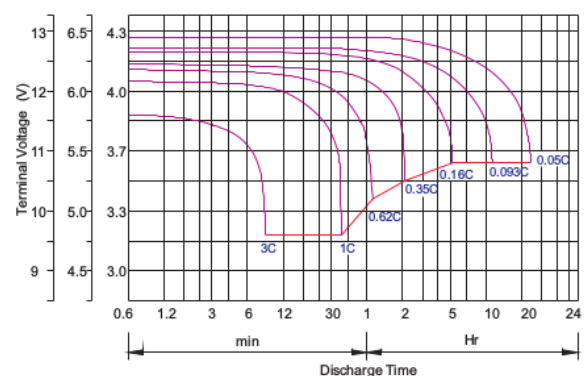
Constant Discharge Ratings (W) at 25°C

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

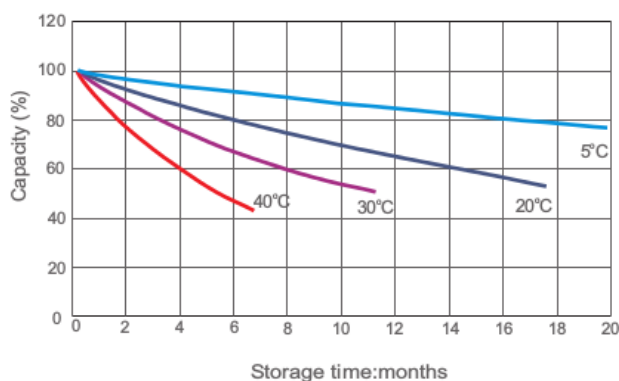
CHARGE CHARACTERISTICS



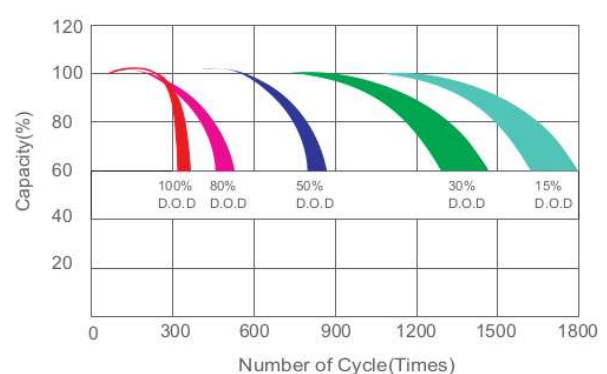
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



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 20 °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 RDC12-100** 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.

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC12-90 (12 V · 90 Ah) · **RDC12-120** (12 V · 120 Ah) · [See all RDC series models](#)

The same battery in other series: **RFC12-100** (RFC Series – Front Terminal Deep Cycle)

Specialized Technical Support

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

Endurance for frequent charge/discharge cycling.

The RDC12-120 is a 12 V, 120 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 406 × 173 × 227 mm and weighs 34 kg, with F12 terminals. It stores 1.44 kWh and delivers up to 960 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC12-120**.

Nominal Voltage	12 V
Capacity (25°C)	120 Ah (C10)
Energy	1440 Wh
Weight	34 kg
Terminal	F12
Dimensions	406 × 173 × 227 mm

MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

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



**SOLAR/WIND ENERGY
SYSTEMS**



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

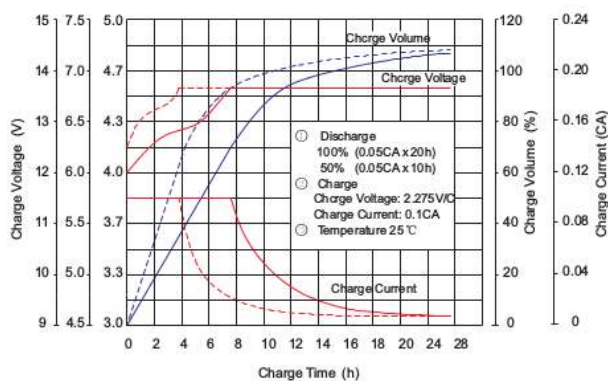
Constant Discharge Ratings (A) at 25°C

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

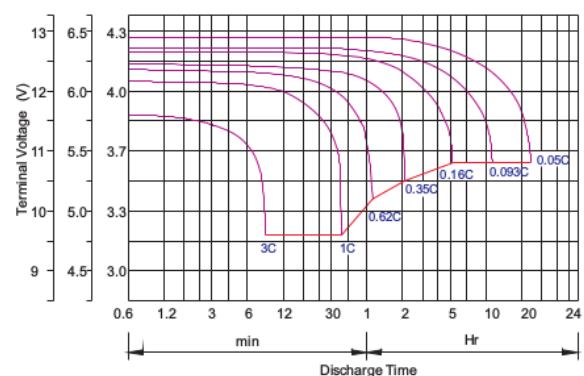
Constant Discharge Ratings (W) at 25°C

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

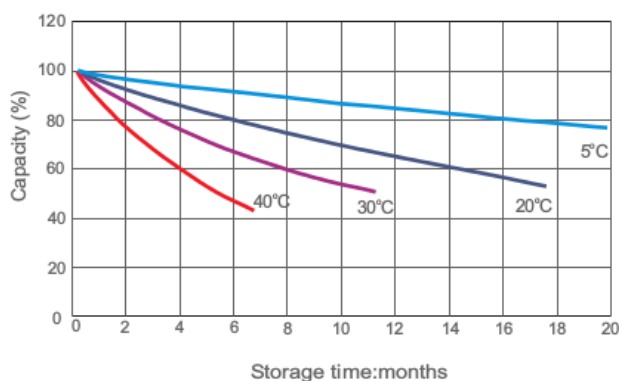
CHARGE CHARACTERISTICS



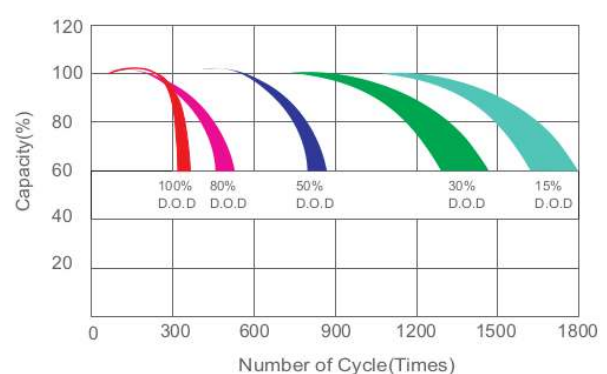
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	120 Ah (C10)
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 20 °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 RDC12-120** 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: 406 mm

Width: 173 mm

Height: 227 mm

Total Height: 238 mm

Weight: 34 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 36 A of charge.

4. SAFETY AND STORAGE

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

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC12-100 (12 V · 100 Ah) · **RDC12-134** (12 V · 134 Ah) · [See all RDC series models](#)

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

Endurance for frequent charge/discharge cycling.

The RDC12-134 is a 12 V, 134 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 410 × 176 × 227 mm and weighs 34 kg, with F12 terminals. It stores 1.61 kWh and delivers up to 960 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC12-134**.

Nominal Voltage	12 V
Capacity (25°C)	134 Ah (C10)
Energy	1608 Wh
Weight	34 kg
Terminal	F12
Dimensions	410 × 176 × 227 mm

MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

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



**SOLAR/WIND ENERGY
SYSTEMS**



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

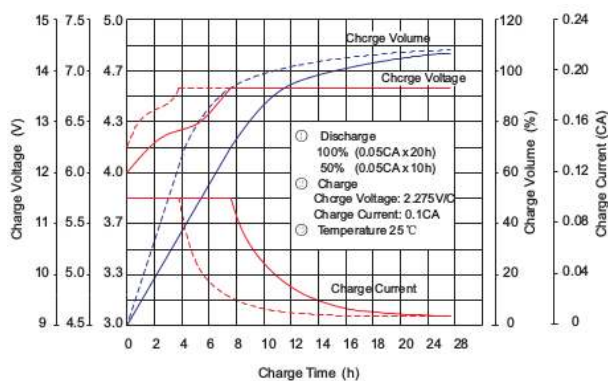
Constant Discharge Ratings (A) at 25°C

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

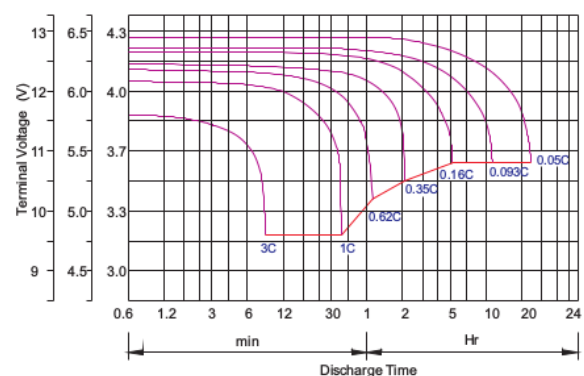
Constant Discharge Ratings (W) at 25°C

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

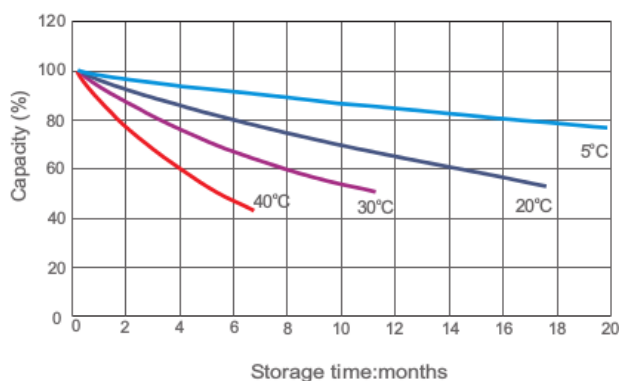
CHARGE CHARACTERISTICS



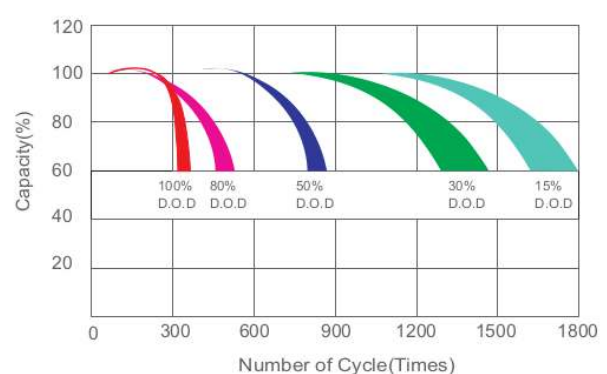
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	134 Ah (C10)
Energy	1608 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 20 °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 RDC12-134** 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 (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 36 A of charge.

4. SAFETY AND STORAGE

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

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC12-120 (12 V · 120 Ah) · **RDC12-150** (12 V · 150 Ah) · [See all RDC series models](#)

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

Endurance for frequent charge/discharge cycling.

The RDC12-150 is a 12 V, 150 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 485 × 172 × 240 mm and weighs 44 kg, with F13 terminals. It stores 1.8 kWh and delivers up to 1000 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC12-150**.

Nominal Voltage	12 V
Capacity (25°C)	150 Ah (C10)
Energy	1800 Wh
Weight	44 kg
Terminal	F13
Dimensions	485 × 172 × 240 mm

MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

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



SOLAR/WIND ENERGY SYSTEMS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

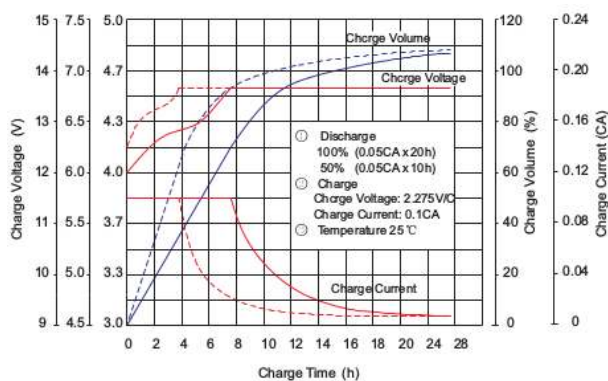
Constant Discharge Ratings (A) at 25°C

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

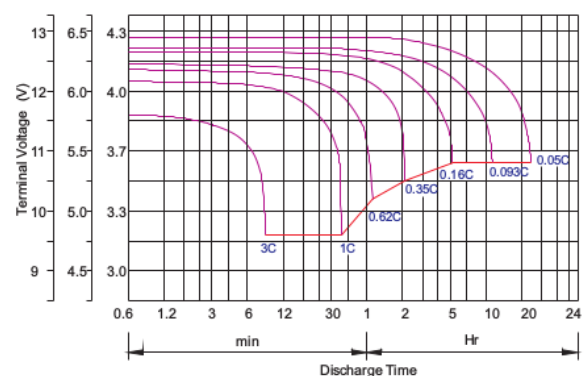
Constant Discharge Ratings (W) at 25°C

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

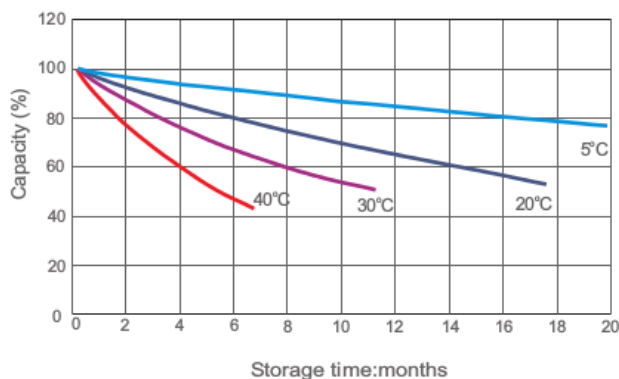
CHARGE CHARACTERISTICS



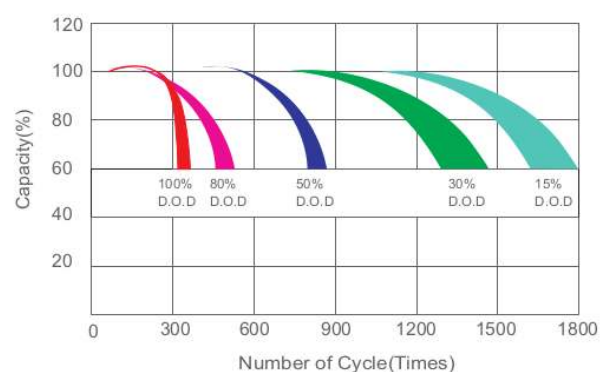
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



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 20 °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 RDC12-150** 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 (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 45 A of charge.

4. SAFETY AND STORAGE

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

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC12-134 (12 V · 134 Ah) · **RDC12-250** (12 V · 250 Ah) · [See all RDC series models](#)

The same battery in other series: **RFC12-150** (RFC Series – Front Terminal Deep Cycle)

Specialized Technical Support

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

Endurance for frequent charge/discharge cycling.

The RDC12-250 is a 12 V, 250 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 520 × 269 × 220 mm and weighs 70 kg, with F13 terminals. It stores 3 kWh and delivers up to 1000 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC12-250**.

Nominal Voltage	12 V
Capacity (25°C)	250 Ah (C10)
Energy	3000 Wh
Weight	70 kg
Terminal	F13
Dimensions	520 × 269 × 220 mm

MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

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



**SOLAR/WIND ENERGY
SYSTEMS**



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

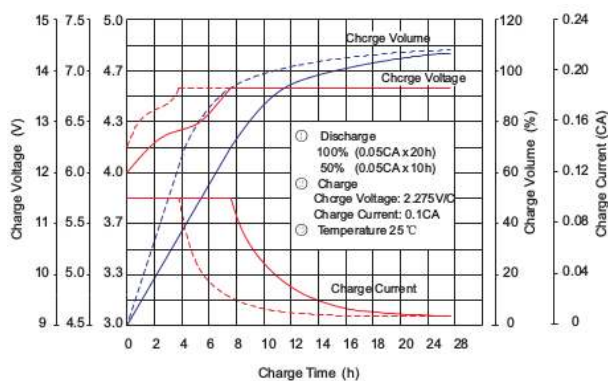
Constant Discharge Ratings (A) at 25°C

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

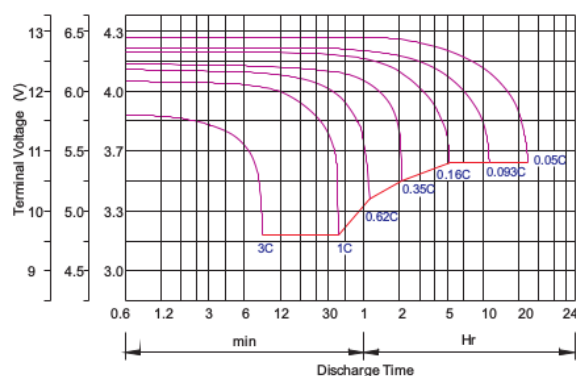
Constant Discharge Ratings (W) at 25°C

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

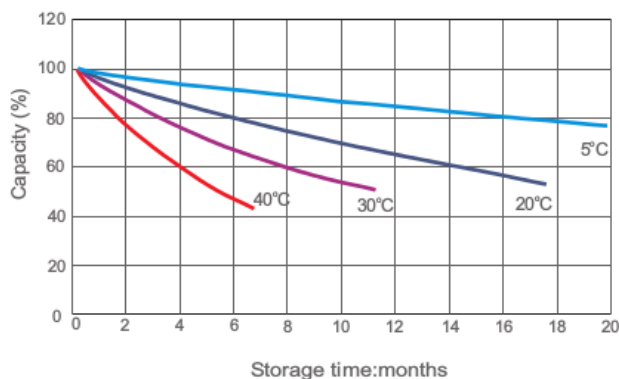
CHARGE CHARACTERISTICS



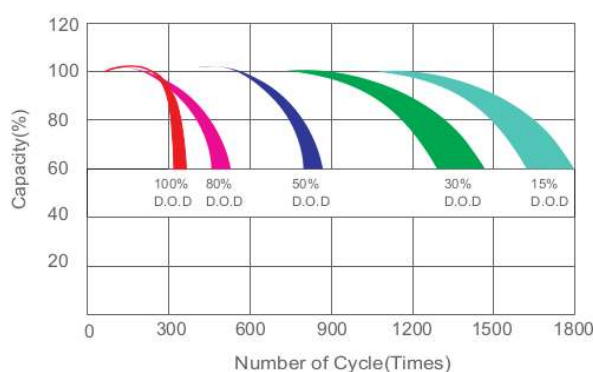
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



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 20 °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 RDC12-250** 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 (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 60 A of charge.

4. SAFETY AND STORAGE

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

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC12-150 (12 V · 150 Ah) · **RDC12-260** (12 V · 260 Ah) · [See all RDC series models](#)

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

Endurance for frequent charge/discharge cycling.

The RDC12-260 is a 12 V, 260 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 520 × 269 × 220 mm and weighs 72 kg, with F12 terminals. It stores 3.12 kWh and delivers up to 1000 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC12-260**.

Nominal Voltage	12 V
Capacity (25°C)	260 Ah (C10)
Energy	3120 Wh
Weight	72 kg
Terminal	F12
Dimensions	520 × 269 × 220 mm

MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

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



**SOLAR/WIND ENERGY
SYSTEMS**



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

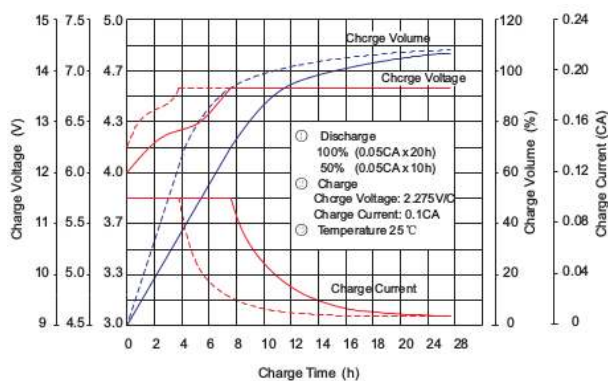
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	388A	352A	324A	230A	150A	67.2A	45A	25.3A	13.3A
10.80 V	454A	391A	355A	244A	157A	69.4A	46.1A	26A	13.6A
10.50 V	513A	430A	381A	255A	162A	70.8A	47.3A	26.5A	13.9A
10.20 V	590A	463A	410A	264A	165A	71.9A	47.9A	26.9A	14.2A
10.02 V	661A	509A	434A	274A	169A	72.8A	48.3A	27.2A	14.5A
9.60 V	741A	553A	461A	287A	174A	73.7A	48.9A	27.6A	14.8A

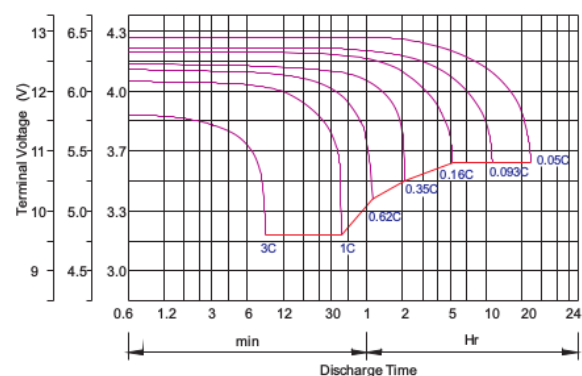
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	732W	669W	619W	442W	291W	132W	89.1W	50.6W	26.8W
10.80 V	840W	733W	672W	464W	301W	135W	90.6W	51.7W	27.3W
10.50 V	938W	798W	714W	481W	309W	136W	92W	52.3W	27.6W
10.20 V	1065W	849W	761W	494W	312W	137W	92.4W	52.6W	27.9W
10.02 V	1179W	925W	798W	509W	318W	138W	92.6W	52.9W	28.4W
9.60 V	1305W	993W	841W	530W	324W	139W	93.1W	53.2W	28.8W

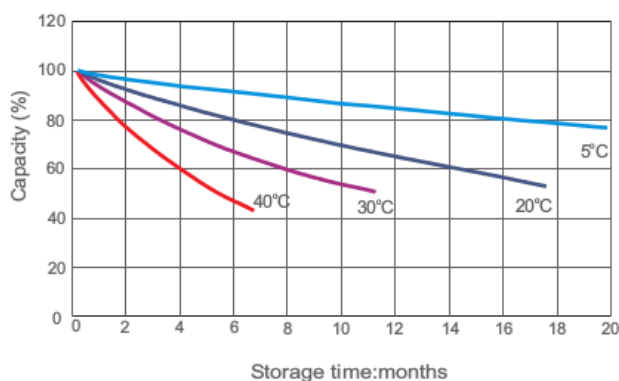
CHARGE CHARACTERISTICS



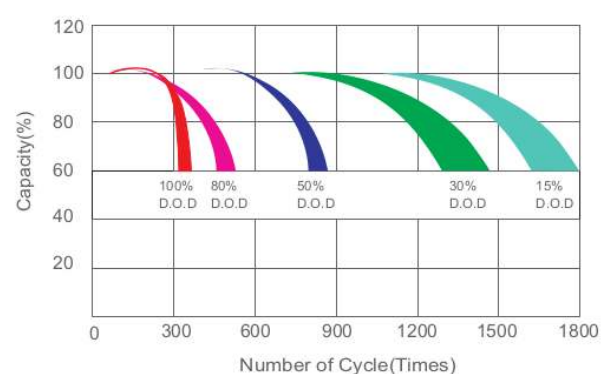
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	260 Ah (C10)
Energy	3120 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	78 A
Max. Discharge Current	1000 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RDC12-260** 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: 225 mm

Weight: 72 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 78 A of charge.

4. SAFETY AND STORAGE

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

Cycling: Recharge fully after every discharge; never leave it discharged.

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

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

NEARBY MODELS

RDC12-250 (12 V · 250 Ah) · [See all RDC series models](#)

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