

AGM · SERIES RFT

RFT Series – Front Terminal (AGM)

Space optimisation and front-access connection for racks.

Rekoser Front Terminal AGM battery, engineered for 19" rack integration. EUROBAT-classified >12 Years (Very Long Life), its front-access connection optimises space and simplifies maintenance in telecom cabinets and data centres. Maximum design life with safe terminal access without removing the unit.



MODELS	NOMINAL VOLTAGE	CAPACITY	DESIGN LIFE
5	12 V	100–200 Ah	12 years
WARRANTY	EUROBAT		
2 years	>12 Years (Very Long Life)		

✓ Key features

Front terminal: Connect and measure without removing the unit

19" rack: Format designed for cabinets and racks

Long life: EUROBAT class above 12 years

AGM technology: Sealed and maintenance-free

⚙ Applications

Telecommunications and Base Stations

Critical backup for network infrastructures and mobile base stations in remote locations with extreme weather conditions.

UPS and Data Centers

✓ Standards and certifications

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

 RFT 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
RFT12-100 (formerly RKE12-100FT)	12 V	100 Ah (C10)	395	110	285	31	F14
RFT12-110 (formerly RKE12-110FT)	12 V	110 Ah (C10)	395	110	285	32.5	F14
RFT12-170 (formerly RKE12-170FT)	12 V	170 Ah (C10)	560	126	316	54	F12
RFT12-190 (formerly RKE12-190FT)	12 V	190 Ah (C10)	560	126	316	57	F12
RFT12-200 (formerly RKE12-200FT)	12 V	200 Ah (C10)	522	238	218	60	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

Space optimisation and front-access connection for racks.

The RFT12-100 is a 12 V, 100 Ah (10-hour rate) AGM lead-acid battery from the Rekoser Front Terminal (AGM) series. It measures 395 × 110 × 285 mm and weighs 31 kg, with F14 terminals. It stores 1.2 kWh and delivers up to 800 A. Space optimisation and front-access connection for racks. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-100FT**.

Nominal Voltage	12 V
Capacity (25°C)	100 Ah (C10)
Energy	1200 Wh
Weight	31 kg
Terminal	F14
Dimensions	395 × 110 × 285 mm

MAIN ADVANTAGES

- ✓ **Front terminal:** Connect and measure without removing the unit
- ✓ **19" rack:** Format designed for cabinets and racks
- ✓ **Long life:** EUROBAT class above 12 years
- ✓ **AGM technology:** Sealed and maintenance-free

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: >12 Years (Very Long Life).

2
YEARS

WARRANTY

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

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

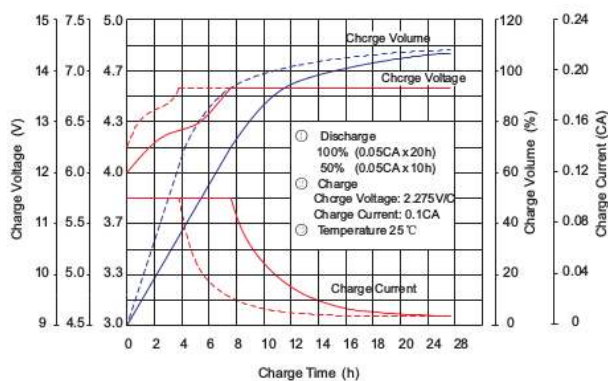
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	142A	121A	114A	81.9A	52.4A	24.7A	16.2A	9.65A	5A
10.80 V	165A	134A	125A	86.8A	54A	25.9A	17A	10A	5.3A
10.20 V	187A	147A	134A	90.8A	56.7A	26.4A	17.2A	10.3A	5.33A
10.50 V	215A	158A	145A	94.1A	57.9A	26.8A	17.4A	10.2A	5.4A
10.02 V	241A	174A	153A	97.8A	59.2A	27.1A	17.5A	10.5A	5.45A
9.60 V	270A	189A	163A	102A	60.8A	27.5A	17.8A	10.6A	5.5A

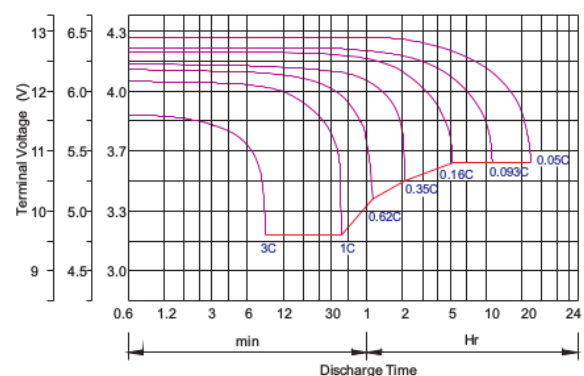
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	267W	229W	218W	158W	102W	48.4W	32.1W	19.3W	10.1W
10.80 V	306W	251W	237W	165W	104W	50.4W	33.4W	19.9W	10.6W
10.20 V	342W	273W	252W	172W	108W	50.9W	33.5W	20.1W	10.6W
10.50 V	388W	291W	268W	176W	109W	51.3W	33.5W	20.2W	10.6W
10.02 V	430W	317W	281W	182W	111W	51.6W	33.7W	20.3W	10.7W
9.60 V	475W	340W	297W	189W	113W	51.8W	33.9W	20.5W	10.7W

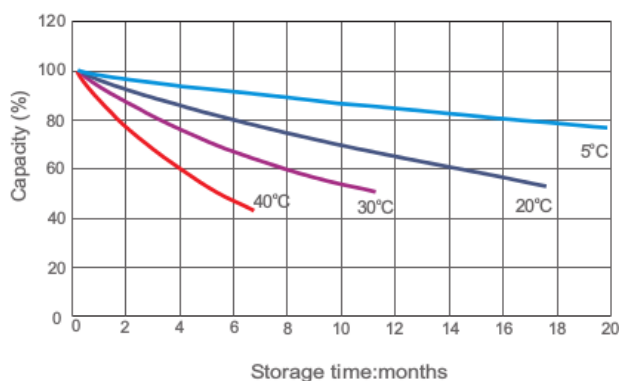
CHARGE CHARACTERISTICS



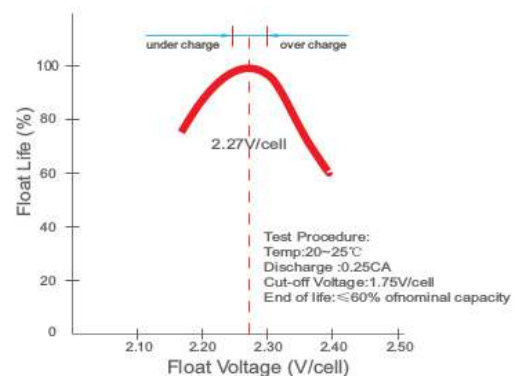
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

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

CONSTRUCTION

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

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RFT12-100** 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: 395 mm

Width: 110 mm

Height: 285 mm

Total Height: 285 mm

Weight: 31 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 25 A of charge.

4. SAFETY AND STORAGE

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

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

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

NEARBY MODELS

RFT12-110 (12 V · 110 Ah) · [See all RFT series models](#)

The same battery in other series: **RHP12-100** (RHP Series – High Performance (AGM))

Specialized Technical Support

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

Space optimisation and front-access connection for racks.

The RFT12-110 is a 12 V, 110 Ah (10-hour rate) AGM lead-acid battery from the Rekoser Front Terminal (AGM) series. It measures 395 × 110 × 285 mm and weighs 32.5 kg, with F14 terminals. It stores 1.32 kWh and delivers up to 800 A. Space optimisation and front-access connection for racks. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-110FT**.

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

MAIN ADVANTAGES

- ✓ **Front terminal:** Connect and measure without removing the unit
- ✓ **19" rack:** Format designed for cabinets and racks
- ✓ **Long life:** EUROBAT class above 12 years
- ✓ **AGM technology:** Sealed and maintenance-free

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: >12 Years (Very Long Life).

2
YEARS

WARRANTY

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

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

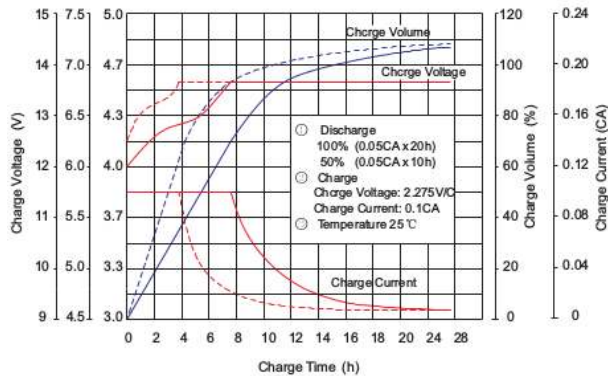
Constant Discharge Ratings (A) at 25°C

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

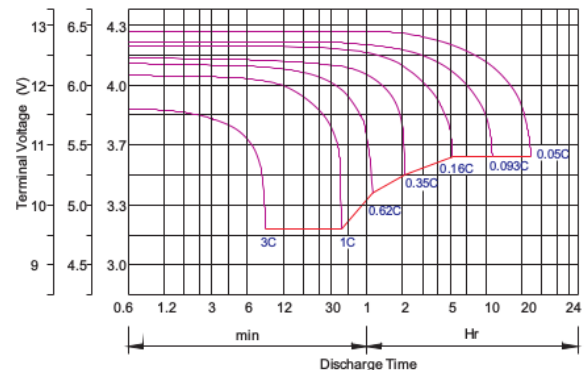
Constant Discharge Ratings (W) at 25°C

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

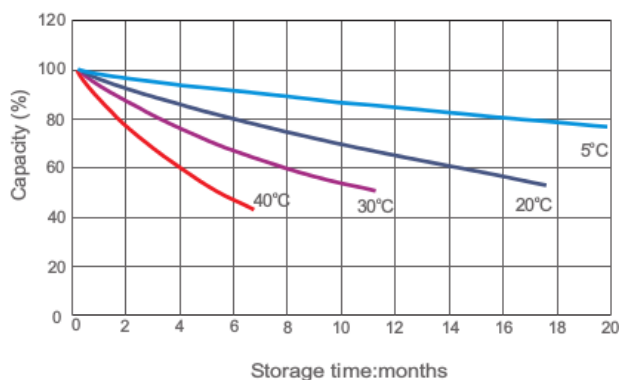
CHARGE CHARACTERISTICS



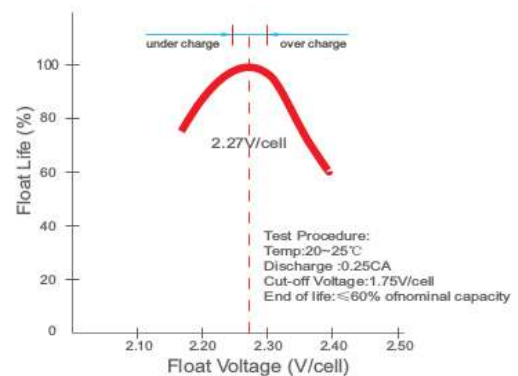
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

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

CONSTRUCTION

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

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RFT12-110** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

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

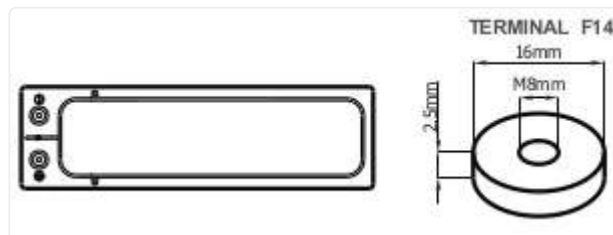
Length: 395 mm

Width: 110 mm

Height: 285 mm

Total Height: 285 mm

Weight: 32.5 kg



2. TERMINAL CONFIGURATION (F14)

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

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

3. CHARGE PARAMETERS

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

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

Maximum Current: Do not exceed 30 A of charge.

4. SAFETY AND STORAGE

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

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

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

NEARBY MODELS

RFT12-100 (12 V · 100 Ah) · **RFT12-170** (12 V · 170 Ah) · [See all RFT series models](#)

The same battery in other series: **RHP12-110** (RHP Series – High Performance (AGM))

Specialized Technical Support

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

Space optimisation and front-access connection for racks.

The RFT12-170 is a 12 V, 170 Ah (10-hour rate) AGM lead-acid battery from the Rekoser Front Terminal (AGM) series. It measures 560 × 126 × 316 mm and weighs 54 kg, with F12 terminals. It stores 2.04 kWh and delivers up to 1700 A. Space optimisation and front-access connection for racks. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-170FT**.



MAIN ADVANTAGES

- ✓ **Front terminal:** Connect and measure without removing the unit
- ✓ **19" rack:** Format designed for cabinets and racks
- ✓ **Long life:** EUROBAT class above 12 years
- ✓ **AGM technology:** Sealed and maintenance-free

Nominal Voltage	12 V
Capacity (25°C)	170 Ah (C10)
Energy	2040 Wh
Weight	54 kg
Terminal	F12
Dimensions	560 × 126 × 316 mm

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: >12 Years (Very Long Life).

2
YEARS

WARRANTY

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

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

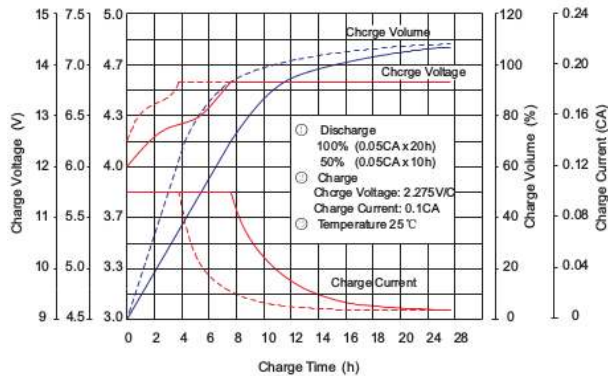
Constant Discharge Ratings (A) at 25°C

F.V / Time	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
10.80 V	236A	149A	96.1A	41.2A	28.9A	17A	8.93A
10.50 V	250A	154A	99.2A	42.5A	29.8A	17.1A	8.99A
10.20 V	258A	158A	101A	42.8A	30A	17.2A	9.04A
10.02 V	268A	163A	104A	43.1A	30.2A	17.3A	9.07A
9.60 V	275A	167A	105A	43.4A	30.3A	17.3A	9.09A

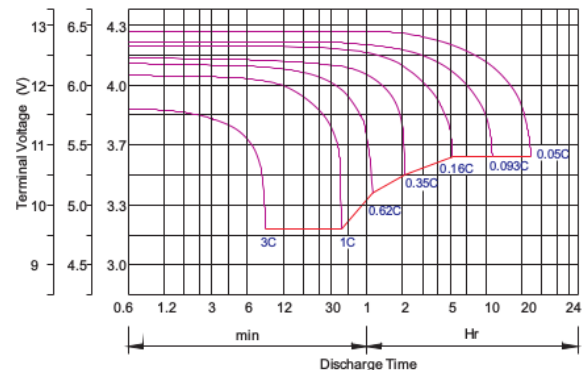
Constant Discharge Ratings (W) at 25°C

F.V / Time	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
10.80 V	2596W	1669W	1096W	485W	341W	203W	106W
10.50 V	2741W	1733W	1131W	500W	352W	204W	107W
10.20 V	2837W	1776W	1153W	503W	354W	205W	108W
10.02 V	2946W	1832W	1184W	507W	357W	206W	109W
9.60 V	3018W	1869W	1202W	510W	359W	207W	109W

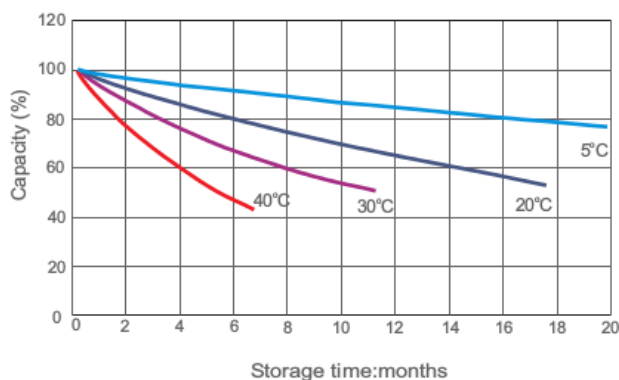
CHARGE CHARACTERISTICS



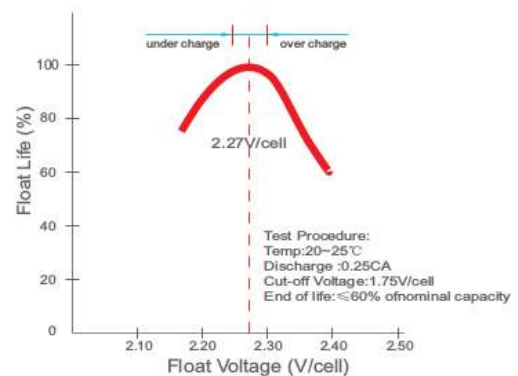
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	170 Ah (C10), 178.6 Ah (C20)
Energy	2040 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	51 A
Max. Discharge Current	1700 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

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

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RFT12-170** 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: 560 mm

Width: 126 mm

Height: 316 mm

Total Height: 316 mm

Weight: 54 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 51 A of charge.

4. SAFETY AND STORAGE

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

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

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

NEARBY MODELS

RFT12-110 (12 V · 110 Ah) · **RFT12-190** (12 V · 190 Ah) · [See all RFT series models](#)

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

Space optimisation and front-access connection for racks.

The RFT12-190 is a 12 V, 190 Ah (10-hour rate) AGM lead-acid battery from the Rekoser Front Terminal (AGM) series. It measures 560 × 126 × 316 mm and weighs 57 kg, with F12 terminals. It stores 2.28 kWh and delivers up to 1900 A. Space optimisation and front-access connection for racks. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-190FT**.

Nominal Voltage	12 V
Capacity (25°C)	190 Ah (C10)
Energy	2280 Wh
Weight	57 kg
Terminal	F12
Dimensions	560 × 126 × 316 mm

MAIN ADVANTAGES

- ✓ **Front terminal:** Connect and measure without removing the unit
- ✓ **19" rack:** Format designed for cabinets and racks
- ✓ **Long life:** EUROBAT class above 12 years
- ✓ **AGM technology:** Sealed and maintenance-free

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: >12 Years (Very Long Life).

2
YEARS

WARRANTY

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

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

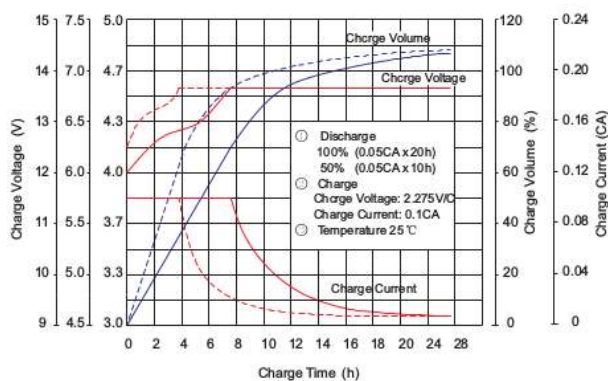
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	268A	228A	216A	154A	99.1A	46.6A	30.7A	18.3A	9.45A
10.80 V	313A	253A	237A	164A	102A	48.9A	32.1A	19A	10A
10.50 V	353A	278A	254A	172A	107A	50A	32.5A	19.3A	10.1A
10.20 V	406A	299A	273A	177A	109A	50.7A	32.9A	19.5A	10.2A
10.02 V	456A	330A	290A	185A	112A	51.2A	33A	19.7A	10.3A
9.60 V	510A	358A	308A	193A	114A	51.9A	33.6A	20A	10.4A

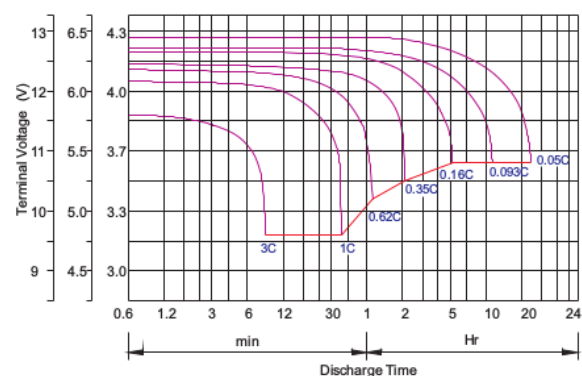
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	504W	433W	413W	298W	192W	91.6W	60.6W	36.4W	19W
10.80 V	578W	475W	448W	313W	196W	95.2W	63W	37.6W	20W
10.50 V	646W	517W	476W	324W	204W	96.3W	63W	38W	20W
10.20 V	734W	549W	507W	333W	207W	96.9W	63.2W	38.2W	20.2W
10.02 V	812W	599W	532W	343W	210W	97.4W	63.6W	38.4W	20.2W
9.60 V	899W	643W	560W	357W	214W	98W	64W	38.7W	20.2W

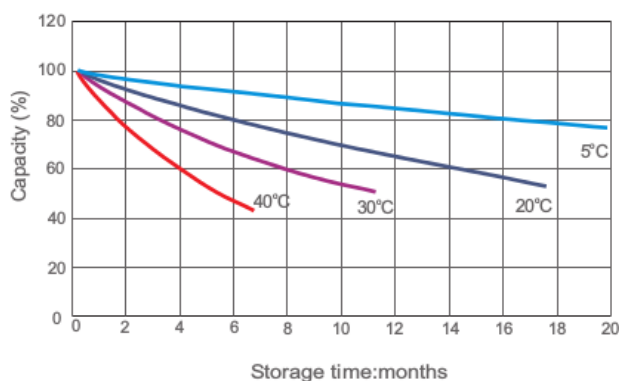
CHARGE CHARACTERISTICS



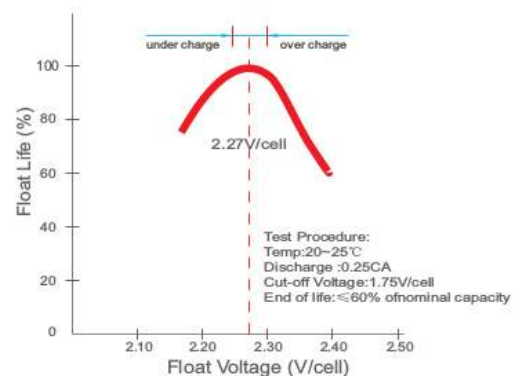
DISCHARGE CHARACTERISTIC 25°C



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	190 Ah (C10), 200 Ah (C20)
Energy	2280 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	57.5 A
Max. Discharge Current	1900 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

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

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RFT12-190** 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: 560 mm

Width: 126 mm

Height: 316 mm

Total Height: 316 mm

Weight: 57 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 57.5 A of charge.

4. SAFETY AND STORAGE

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

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

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

NEARBY MODELS

RFT12-170 (12 V · 170 Ah) · **RFT12-200** (12 V · 200 Ah) · [See all RFT series models](#)

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

Space optimisation and front-access connection for racks.

The RFT12-200 is a 12 V, 200 Ah (10-hour rate) AGM lead-acid battery from the Rekoser Front Terminal (AGM) series. It measures 522 × 238 × 218 mm and weighs 60 kg, with F12 terminals. It stores 2.4 kWh and delivers up to 1000 A. Space optimisation and front-access connection for racks. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-200FT**.

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

MAIN ADVANTAGES

- ✓ **Front terminal:** Connect and measure without removing the unit
- ✓ **19" rack:** Format designed for cabinets and racks
- ✓ **Long life:** EUROBAT class above 12 years
- ✓ **AGM technology:** Sealed and maintenance-free

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: >12 Years (Very Long Life).

2
YEARS

WARRANTY

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

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

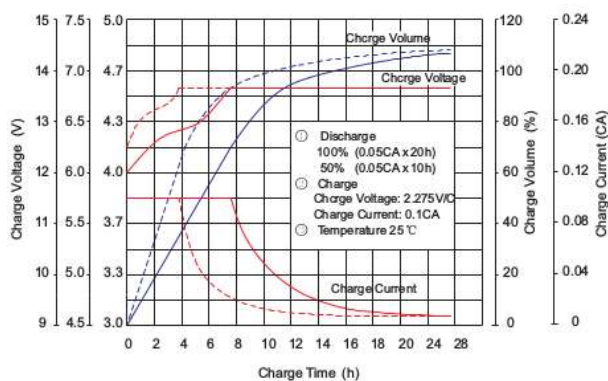
Constant Discharge Ratings (A) at 25°C

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

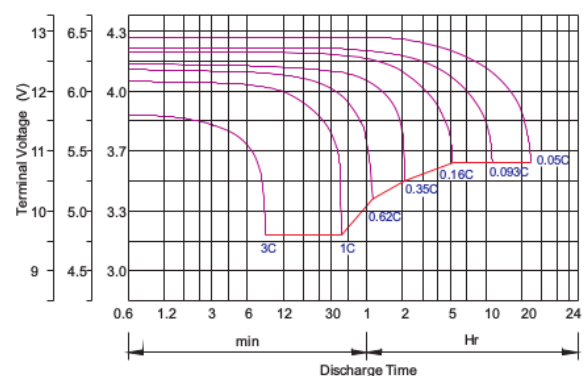
Constant Discharge Ratings (W) at 25°C

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

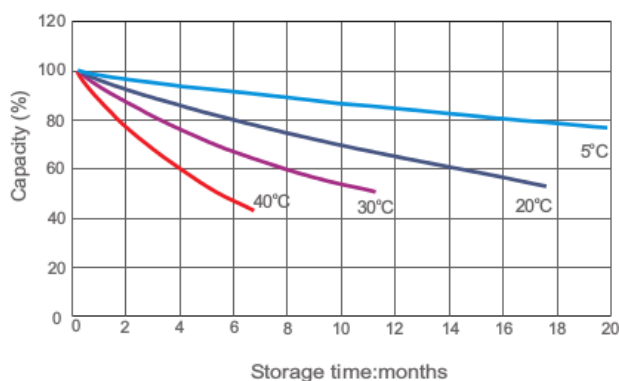
CHARGE CHARACTERISTICS



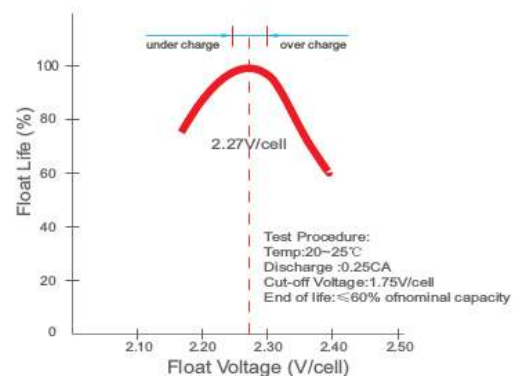
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

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

CONSTRUCTION

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

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RFT12-200** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

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

Length: 522 mm

Width: 238 mm

Height: 218 mm

Total Height: 222 mm

Weight: 60 kg

2. TERMINAL CONFIGURATION (F12)

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

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

3. CHARGE PARAMETERS

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

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

Maximum Current: Do not exceed 60 A of charge.

4. SAFETY AND STORAGE

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

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

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

NEARBY MODELS

RFT12-190 (12 V · 190 Ah) · [See all RFT series models](#)

The same battery in other series: **RHP12-200** (RHP Series – High Performance (AGM))

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