

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)

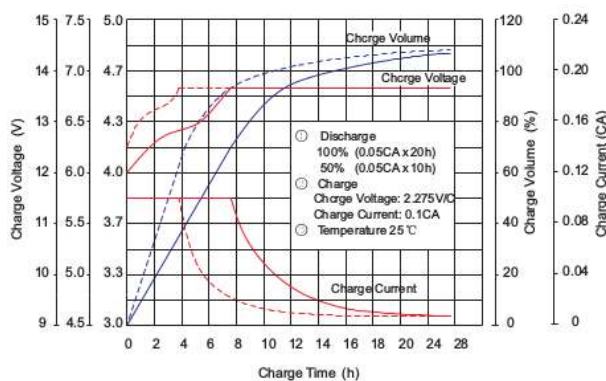
Constant Discharge Ratings (A) at 25°C

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

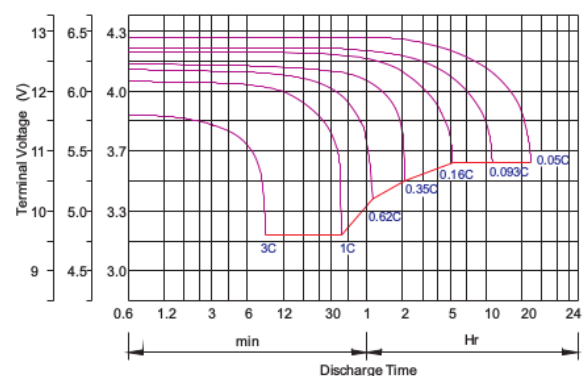
Constant Discharge Ratings (W) at 25°C

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

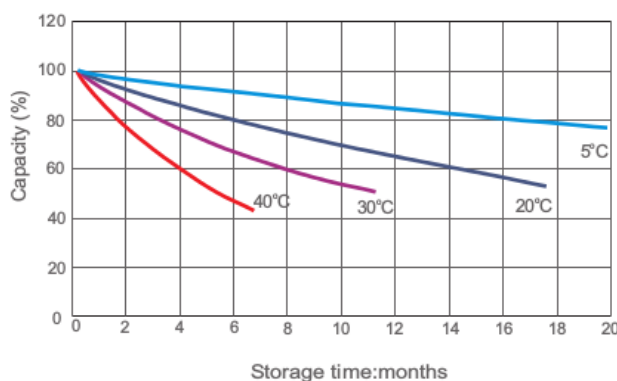
CHARGE CHARACTERISTICS



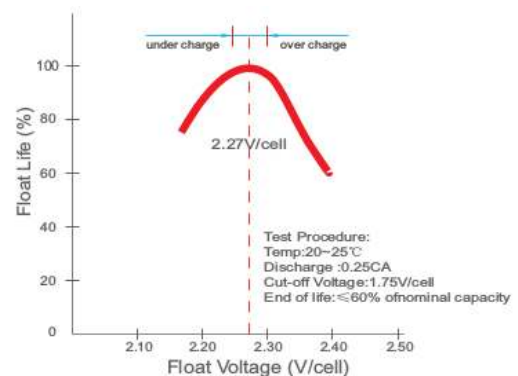
DISCHARGE CHARACTERISTIC 25oC



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