

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)

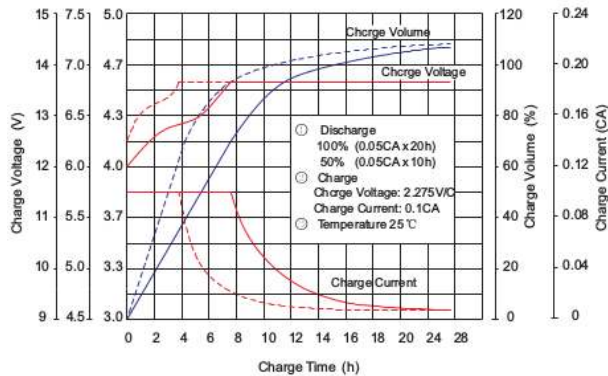
Constant Discharge Ratings (A) at 25°C

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

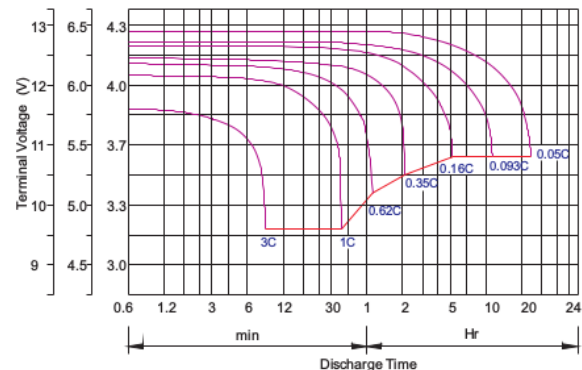
Constant Discharge Ratings (W) at 25°C

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

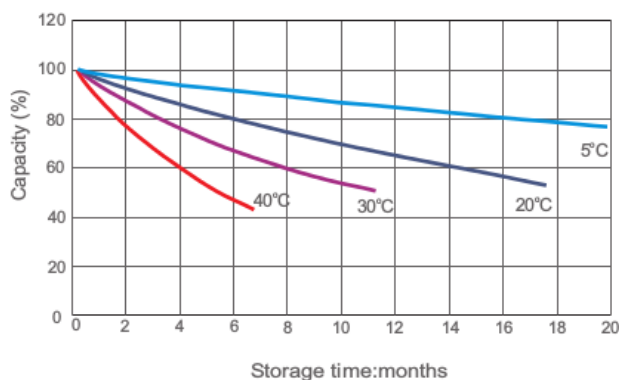
CHARGE CHARACTERISTICS



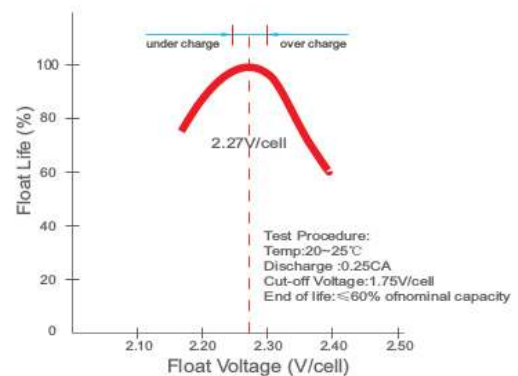
DISCHARGE CHARACTERISTIC 25oC



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
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