

High cyclic density in rack format for critical sites with frequent grid outages.

The RFC12-75 is a 12 V, 75 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Front Terminal Deep Cycle series. It measures 564 × 115 × 189 mm and weighs 25 kg, with F11 terminals. It stores 900 Wh and delivers up to 600 A. High cyclic density in rack format for critical sites with frequent grid outages. Typical applications: Telecommunications and Base Stations and Microgrids and Off-Grid Sites.

Formerly **RKC12-75FT**.

Nominal Voltage	12 V
Capacity (25°C)	75 Ah (C10)
Energy	900 Wh
Weight	25 kg
Terminal	F11
Dimensions	564 × 115 × 189 mm

MAIN ADVANTAGES

- ✓ **Deep cycle:** Built for frequent cyclic discharge
- ✓ **Front terminal:** Rack integration with front access
- ✓ **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**



**MICROGRIDS AND OFF-
GRID SITES**

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

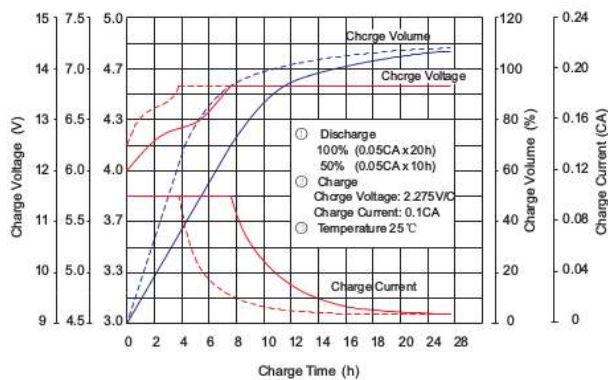
Constant Discharge Ratings (A) at 25°C

F.V / Time	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
10.80 V	138A	104A	65.6A	42.4A	18.2A	12.7A	7.5A	3.94A
10.50 V	143A	110A	68.1A	43.8A	18.8A	13.1A	7.55A	3.97A
10.20 V	148A	114A	69.8A	44.6A	18.9A	13.2A	7.6A	3.99A
10.02 V	151A	118A	72A	45.8A	19A	13.3A	7.62A	4A
9.60 V	154A	121A	73.5A	46.5A	19.1A	13.4A	7.64A	4.01A

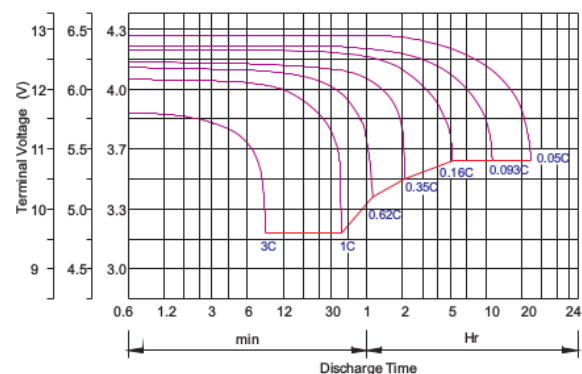
Constant Discharge Ratings (W) at 25°C

F.V / Time	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
10.80 V	1520W	1145W	736W	483W	214W	150W	89.6W	47.3W
10.50 V	1590W	1209W	764W	499W	221W	155W	90.2W	47.6W
10.20 V	1625W	1252W	783W	509W	222W	156W	90.7W	47.9W
10.02 V	1688W	1300W	808W	522W	225W	157W	91W	48W
9.60 V	1720W	1332W	825W	530W	225W	158W	91.2W	48.1W

CHARGE CHARACTERISTICS



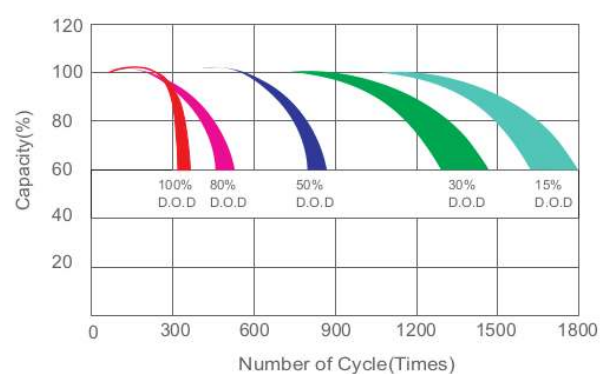
DISCHARGE CHARACTERISTIC 25oC



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	22.5 A
Max. Discharge Current	600 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 RFC12-75** 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:

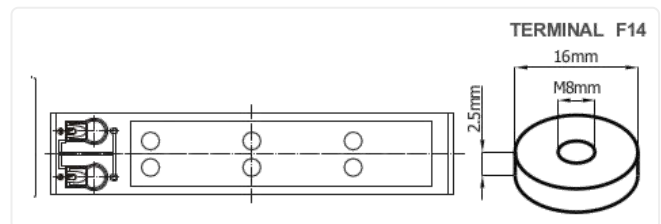
Length: 564 mm

Width: 115 mm

Height: 189 mm

Total Height: 189 mm

Weight: 25 kg



2. TERMINAL CONFIGURATION (F11)

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

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

3. CHARGE PARAMETERS

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

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

Maximum Current: Do not exceed 22.5 A of charge.

4. SAFETY AND STORAGE

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

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

RFC12-50 (12 V · 50 Ah) · **RFC12-100** (12 V · 100 Ah) · [See all RFC series models](#)

The same battery in other series: **RDC12-75** (RDC Series – Deep Cycle (AGM))

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