

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

The RFC12-200 is a 12 V, 200 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Front Terminal Deep Cycle series. It measures 560 × 126 × 316 mm and weighs 58 kg, with M8 terminals. It stores 2.4 kWh and delivers up to 1500 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 **RKC12-200FT**.

Nominal Voltage	12 V
Capacity (25°C)	200 Ah (C10)
Energy	2400 Wh
Weight	58 kg
Terminal	M8
Dimensions	560 × 126 × 316 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	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	283A	241A	229A	163A	105A	49.3A	32.4A	19.2A	10A
10.80 V	331A	267A	251A	173A	108A	51.7A	34A	20A	10.5A
10.50 V	373A	294A	269A	182A	113A	52.7A	34.4A	20.4A	10.6A
10.20 V	430A	316A	286A	187A	115A	53.6A	34.8A	20.6A	10.8A
10.02 V	482A	348A	297A	190A	119A	54.2A	34.9A	20.9A	10.9A
9.60 V	540A	378A	304A	192A	121A	54.8A	35.5A	21.2A	11A

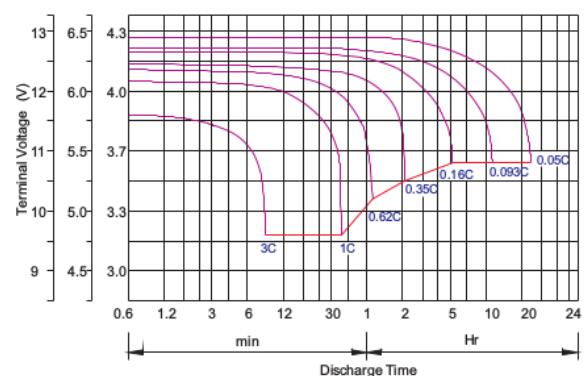
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	533W	457W	436W	315W	203W	96.8W	63.8W	38.5W	20.1W
10.80 V	612W	502W	474W	331W	207W	99.8W	66.7W	39.7W	21.1W
10.50 V	683W	546W	503W	343W	213W	100W	66.9W	40.2W	21.2W
10.20 V	776W	581W	536W	352W	215W	101W	66.9W	40.4W	21.3W
10.02 V	858W	633W	563W	363W	222W	102W	67.3W	40.6W	21.3W
9.60 V	950W	679W	593W	377W	226W	103W	67.8W	41W	21.3W

CHARGE CHARACTERISTICS



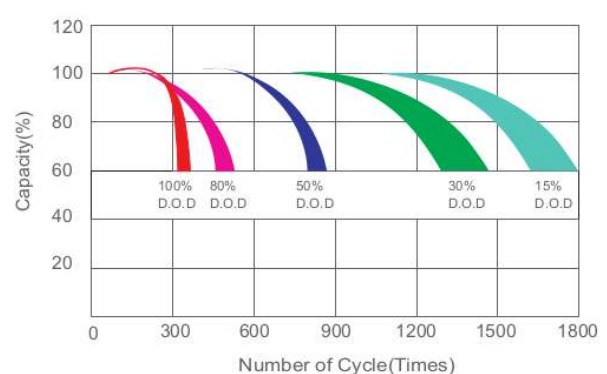
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	200 Ah (C10)
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	50 A
Max. Discharge Current	1500 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 RFC12-200** 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: 560 mm

Width: 126 mm

Height: 316 mm

Total Height: 316 mm

Weight: 58 kg

2. TERMINAL CONFIGURATION (M8)

Terminals: Ensure your system's connectors match the M8 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 50 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

RFC12-180 (12 V · 180 Ah) · [See all RFC series models](#)

Specialized Technical Support
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