

Endurance for frequent charge/discharge cycling.

The RDC6-200G is a 6 V, 200 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 264 × 180 × 247 mm and weighs 30 kg, with F12 terminals. It stores 1.2 kWh and delivers up to 1200 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC6-200G**.

Nominal Voltage	6 V
Capacity (25°C)	200 Ah (C10)
Energy	1200 Wh
Weight	30 kg
Terminal	F12
Dimensions	264 × 180 × 247 mm

MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

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

MAIN APPLICATIONS



**SOLAR/WIND ENERGY
SYSTEMS**



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

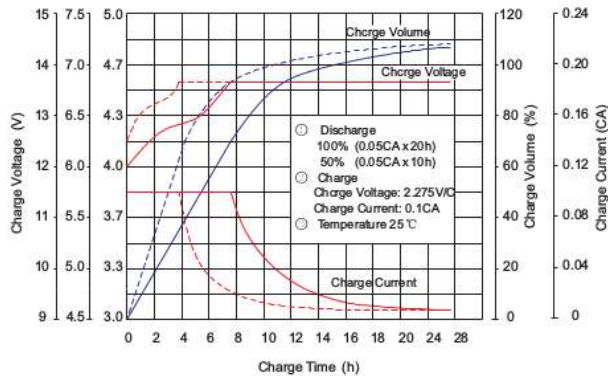
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
4.8 V	525A	435A	345A	215A	128A	53.8A	38.1A	20.2A	10.7A
4.95 V	490A	410A	325A	207A	126A	52.9A	37.8A	20.1A	10.7A
5.1 V	455A	385A	305A	199A	124A	52A	37.5A	20A	10.6A
5.25 V	420A	358A	285A	191A	121A	51.1A	37A	20A	10.5A
5.4 V	370A	328A	263A	181A	117A	50A	36.4A	19.2A	10.4A

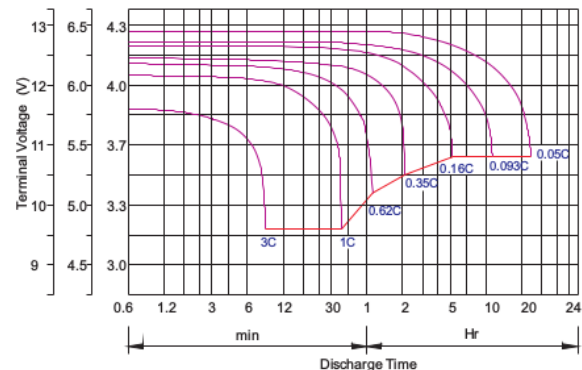
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
4.8 V	865W	715W	587W	378W	250W	97.9W	70.7W	W	W
4.95 V	819W	680W	559W	364W	245W	96.6W	70.1W	W	W
5.1 V	773W	644W	541W	350W	241W	95.3W	69.5W	W	W
5.25 V	727W	606W	523W	336W	236W	93.9W	69W	W	W
5.4 V	579W	576W	492W	322W	231W	92.9W	68.4W	W	W

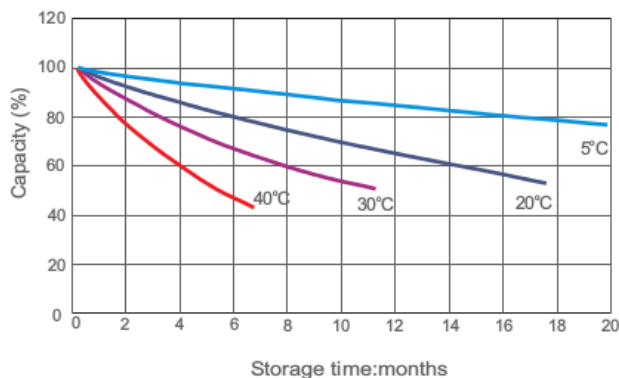
CHARGE CHARACTERISTICS



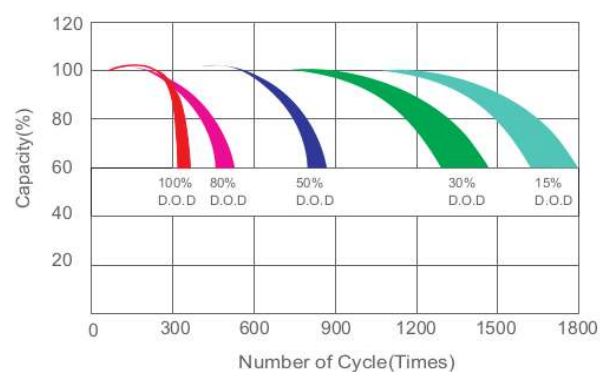
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	6 V
Capacity (25°C)	200 Ah (C10)
Energy	1200 Wh
Cell number	3
Charge Voltage (25°C)	Cycle use: 7.35-7.45V (-30mV/C), max. Current 2.1A Float use: 6.8-6.9V (-20mV/C)
Max. Charge Current	39 A
Max. Discharge Current	1200 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 RDC6-200G** 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:

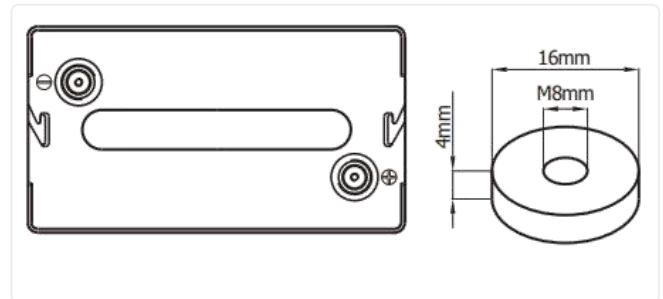
Length: 264 mm

Width: 180 mm

Height: 247 mm

Total Height: 250 mm

Weight: 30 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: 7.35-7.45V (-30mV/C), max. Current 2.1A

Float use: 6.8-6.9V (-20mV/C)

Maximum Current: Do not exceed 39 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

RDC6-235 (6 V · 235 Ah) · [See all RDC series models](#)

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