

Deep cycling with full recovery from deep discharge.

The RDG6-200 is a 6 V, 200 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser Deep Gel series. It measures 306 × 168 × 226 mm and weighs 30 kg, with F13 terminals. It stores 1.2 kWh and delivers up to 1000 A. Deep cycling with full recovery from deep discharge. Typical applications: Solar/Wind Energy Systems, Electrical Substations, Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKG6-200**.

Nominal Voltage	6 V
Capacity (25°C)	200 Ah (C10)
Energy	1200 Wh
Weight	30 kg
Terminal	F13
Dimensions	306 × 168 × 226 mm

MAIN ADVANTAGES

- ✓ **Recovery:** Superior performance after deep discharges
- ✓ **Stable:** Low electrolyte stratification
- ✓ **Longevity:** Excellent cycle life in harsh conditions
- ✓ **Gel Tech:** Thixotropic gel electrolyte

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



ELECTRICAL SUBSTATIONS



TELECOMMUNICATIONS AND BASE STATIONS



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC61427

IEC 60896-21/22

YD/T1360

BS6290 part 4

GRAPHICS (25°C)

Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
5.55 V	299A	271A	249A	177A	115A	51.7A	34.6A	19.5A	10.3A
5.40 V	349A	301A	273A	187A	121A	53.4A	35.5A	20A	10.5A
5.25 V	395A	331A	293A	196A	125A	54.5A	36.4A	20.4A	10.7A
5.10 V	454A	356A	316A	203A	127A	55.3A	36.8A	20.7A	10.9A
5.01 V	509A	392A	334A	211A	130A	56A	37.1A	20.9A	11.2A
4.80 V	570A	425A	355A	221A	134A	56.7A	37.6A	21.2A	11.4A

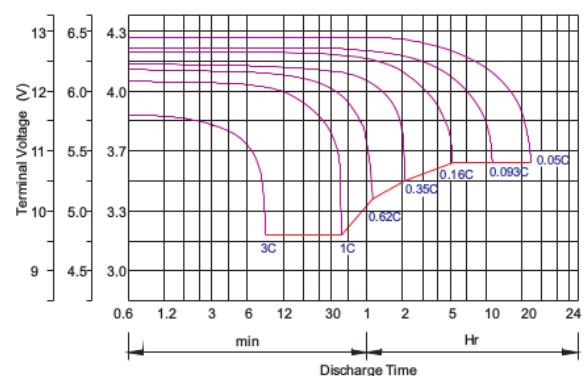
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
5.55 V	563W	514W	514W	340W	224W	91.3W	61.7W	35W	18.5W
5.40 V	646W	564W	517W	357W	232W	93.6W	62.7W	35.8W	18.9W
5.25 V	722W	614W	549W	370W	237W	94.6W	63.7W	36.2W	19.1W
5.10 V	820W	653W	585W	380W	240W	95.3W	64W	36.4W	19.3W
5.01 V	907W	711W	614W	392W	244W	95.8W	64.1W	36.6W	19.6W
4.80 V	1004W	764W	647W	408W	249W	96.3W	64.5W	36.9W	19.9W

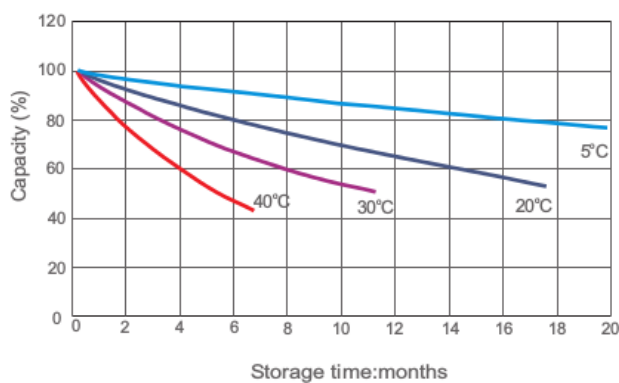
CHARGE CHARACTERISTICS



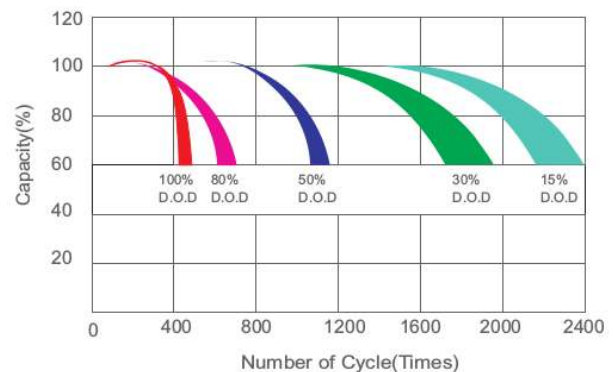
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	6 V
Capacity (25°C)	200 Ah (C10), 210 Ah (C20)
Energy	1200 Wh
Cell number	3
Charge Voltage (25°C)	Cycle use: 7.2-7.4V (-3mV/C) Float use: 6.8-6.9V (-2mV/C)
Max. Charge Current	50 A
Max. Discharge Current	1000 A
Internal Resistance	3.1 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 RDG6-200** 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:

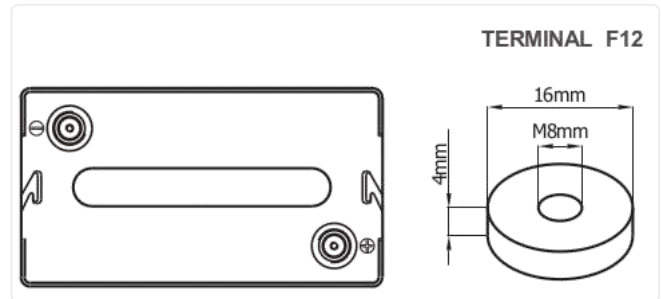
Length: 306 mm

Width: 168 mm

Height: 226 mm

Total Height: 226 mm

Weight: 30 kg



2. TERMINAL CONFIGURATION (F13)

Terminals: Ensure your system's connectors match the F13 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: 7.2-7.4V (-3mV/C)

Float use: 6.8-6.9V (-2mV/C)

Maximum Current: Do not exceed 50 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed gel battery, maintenance-free and leak-proof.

Charging: Keep to the stated charge voltage: gel is sensitive to overcharging.

Cycling: Recharge fully after every discharge; never leave it discharged.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RDG6-180 (6 V · 180 Ah) · [See all RDG series models](#)

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