

Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure.

The RXG2-1000 is a 2 V, 1000 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser eXtended Gel (2V) series. It measures 475 × 175 × 330 mm and weighs 61 kg, with F10 terminals. It stores 2 kWh and delivers up to 4000 A. Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure. Typical applications: Solar/Wind Energy Systems, Electrical Substations, Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKG2-1000**.

Nominal Voltage	2 V
Capacity (25°C)	1000 Ah (C10)
Energy	2000 Wh
Weight	61 kg
Terminal	F10
Dimensions	475 × 175 × 330 mm

MAIN ADVANTAGES

- ✓ **Recovery:** Superior performance after deep discharges
- ✓ **Stable:** Low electrolyte stratification thanks to eXtended Gel technology
- ✓ **Longevity:** Excellent cyclic life in harsh conditions (Very Long Life >12 years design life)
- ✓ **Gel Tech:** Premium thixotropic gel electrolyte with high thermal stability

15
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



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)

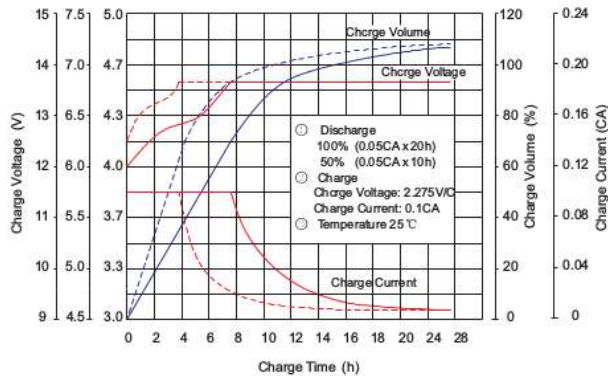
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
10.80 V	804A	547A	247A	173A	100A	52.5A
10.50 V	834A	565A	255A	178A	101A	52.9A
10.20 V	855A	576A	257A	179A	101A	53.2A
9.90 V	882A	591A	259A	180A	102A	53.3A
9.60 V	900A	600A	260A	182A	102A	53.4A

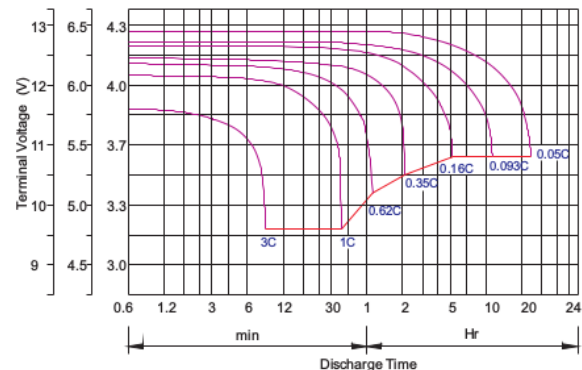
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
10.80 V	1503W	1040W	485W	340W	199W	105W
10.50 V	1560W	1073W	500W	351W	200W	106W
10.20 V	1599W	1094W	503W	353W	202W	106W
9.90 V	1649W	1123W	507W	356W	202W	107W
9.60 V	1683W	1140W	510W	358W	203W	107W

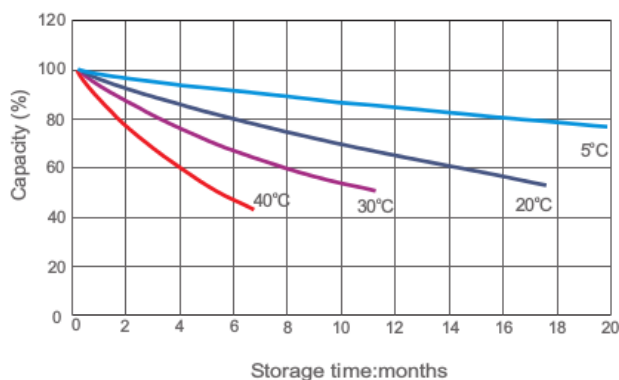
CHARGE CHARACTERISTICS



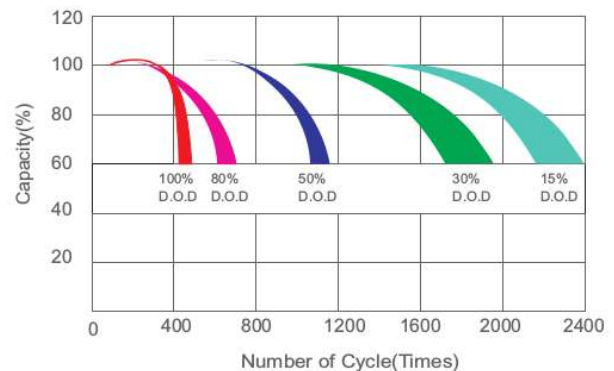
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	1000 Ah (C10)
Energy	2000 Wh
Cell number	1
Charge Voltage (25°C)	Cycle use: 2.35-2.40V (-5mV/C) Float use: 2.25-2.29V (-3mV/C)
Max. Charge Current	200 A
Max. Discharge Current	4000 A
Internal Resistance	0.28 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 RXG2-1000** 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:

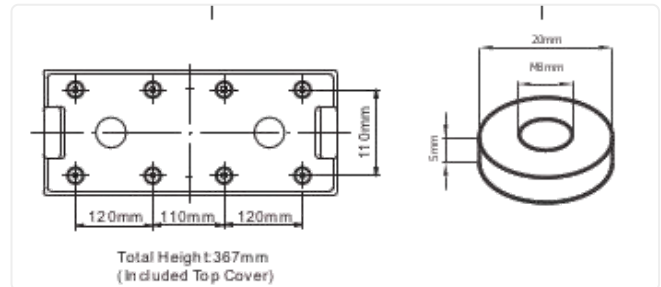
Length: 475 mm

Width: 175 mm

Height: 330 mm

Total Height: 367 mm

Weight: 61 kg



2. TERMINAL CONFIGURATION (F10)

Terminals: Ensure your system's connectors match the F10 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: 2.35-2.40V (-5mV/C)

Float use: 2.25-2.29V (-3mV/C)

Maximum Current: Do not exceed 200 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

RXG2-800 (2 V · 800 Ah) · **RXG2-1200** (2 V · 1200 Ah) · [See all RXG series models](#)

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