

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

The RXG2-1200 is a 2 V, 1200 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 66 kg, with F10 terminals. It stores 2.4 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 **RKG2-1200**.

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

Nominal Voltage	2 V
Capacity (25°C)	1200 Ah (C10)
Energy	2400 Wh
Weight	66 kg
Terminal	F10
Dimensions	475 × 175 × 330 mm

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)

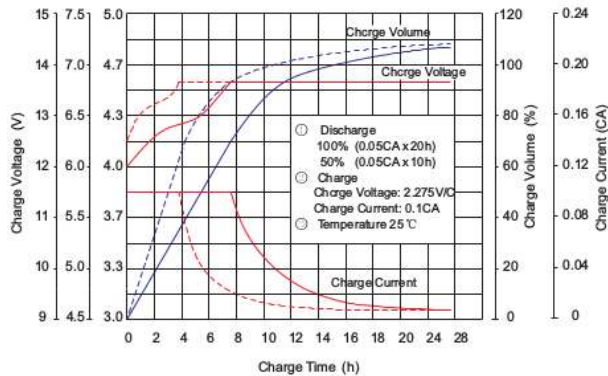
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	964A	657A	297A	207A	120A	63A
1.75 V	1001A	678A	306A	214A	121A	63.4A
1.70 V	1026A	691A	308A	215A	122A	63.8A
1.65 V	1058A	709A	310A	217A	122A	64A
1.60 V	1080A	720A	312A	218A	122A	64.1A

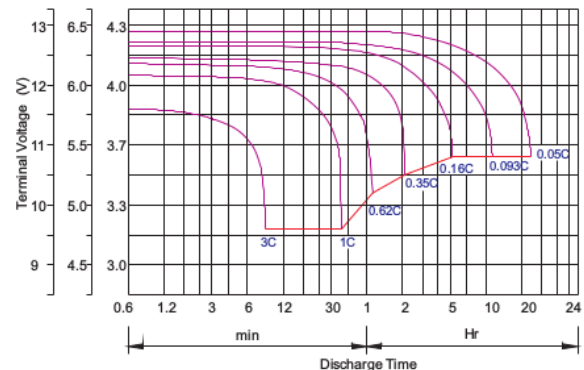
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	1804W	1248W	582W	408W	239W	126W
1.75 V	1872W	1287W	600W	421W	240W	127W
1.70 V	1919W	1313W	604W	424W	242W	128W
1.65 V	1979W	1347W	608W	427W	243W	128W
1.60 V	2020W	1368W	612W	429W	243W	128W

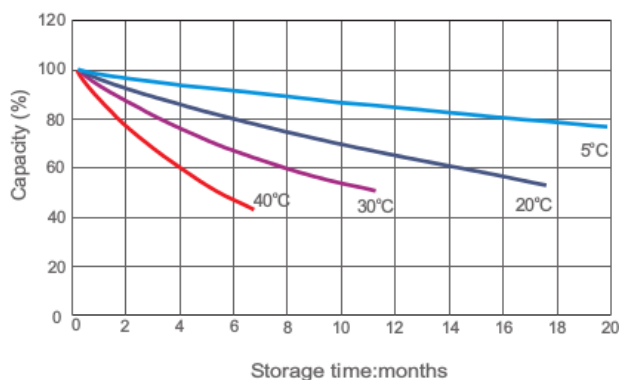
CHARGE CHARACTERISTICS



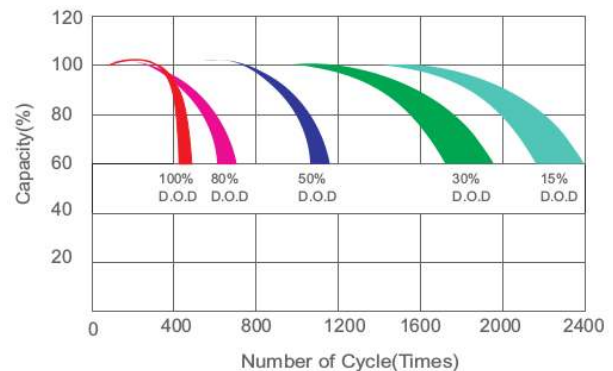
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	1200 Ah (C10)
Energy	2400 Wh
Cell number	1
Charge Voltage (25°C)	Cycle use: 2.35-2.40V (-30mV/C) Float use: 2.25-2.29V (-20mV/C)
Max. Charge Current	240 A
Max. Discharge Current	4000 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 RXG2-1200** 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:

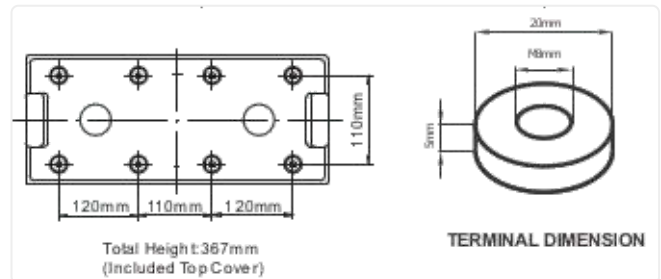
Length: 475 mm

Width: 175 mm

Height: 330 mm

Total Height: 367 mm

Weight: 66 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 (-30mV/C)

Float use: 2.25-2.29V (-20mV/C)

Maximum Current: Do not exceed 240 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

RXG2-1000 (2 V · 1000 Ah) · **RXG2-1500** (2 V · 1500 Ah) · [See all RXG series models](#)

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