

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

The RXG2-3000 is a 2 V, 3000 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser eXtended Gel (2V) series. It measures 710 × 350 × 345 mm and weighs 180 kg, with F10 terminals. It stores 6 kWh and delivers up to 1600 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 **RKG2-3000**.



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)	3000 Ah (C10)
Energy	6000 Wh
Weight	180 kg
Terminal	F10
Dimensions	710 × 350 × 345 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)

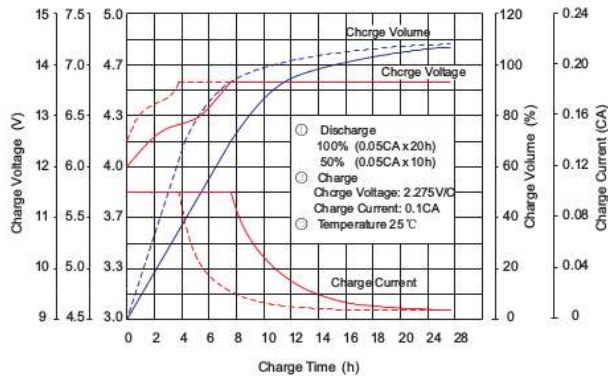
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	2411A	1642A	742A	518A	300A	158A
1.75 V	2503A	1694A	765A	534A	302A	159A
1.70 V	2565A	1728A	770A	538A	304A	160A
1.65 V	2646A	1773A	776A	541A	305A	160A
1.60 V	2700A	1800A	780A	545A	305A	160A

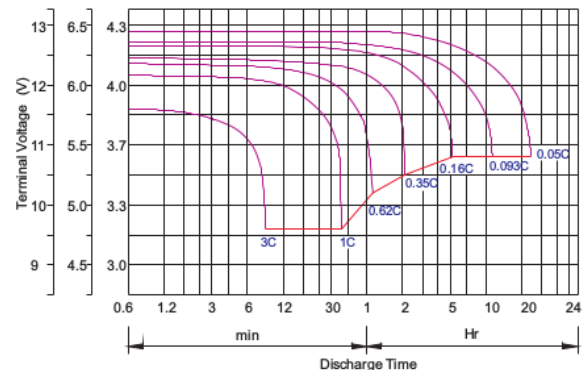
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	4509W	3119W	1454W	1020W	597W	315W
1.75 V	4680W	3218W	1499W	1052W	601W	317W
1.70 V	4797W	3283W	1510W	1059W	605W	319W
1.65 V	4948W	3369W	1520W	1067W	607W	320W
1.60 V	5049W	3420W	1529W	1073W	608W	321W

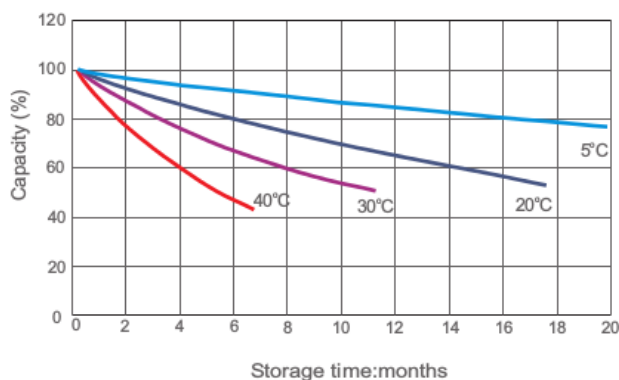
CHARGE CHARACTERISTICS



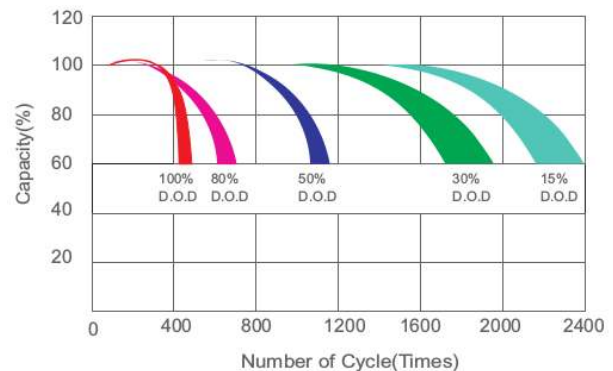
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	3000 Ah (C10)
Energy	6000 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	600 A
Max. Discharge Current	1600 A
Internal Resistance	0.12 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 RXG2-3000** 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:

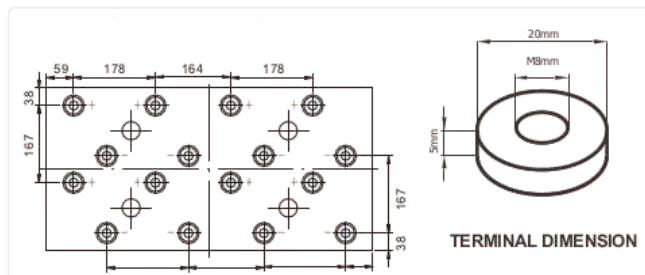
Length: 710 mm

Width: 350 mm

Height: 345 mm

Total Height: 382 mm

Weight: 180 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 600 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

RXG2-2500 (2 V · 2500 Ah) · See all RXG series models

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