

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

The RXG2-600 is a 2 V, 600 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser eXtended Gel (2V) series. It measures 302 × 175 × 330 mm and weighs 35.5 kg, with F10 terminals. It stores 1.2 kWh and delivers up to 3000 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 **RKG2-600**.



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)	600 Ah (C10)
Energy	1200 Wh
Weight	35.5 kg
Terminal	F10
Dimensions	302 × 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)

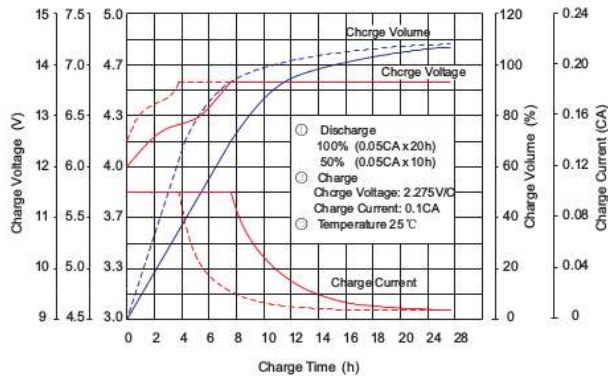
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	2HR	3HR	5HR	6HR	8HR	10HR	20HR
1.80 V	482A	328A	207A	148A	104A	89A	69.8A	60A	31.5A
1.75 V	501A	339A	213A	153A	107A	91.8A	72A	60.4A	31.7A
1.70 V	513A	346A	216A	154A	108A	92.4A	72.5A	60.8A	31.9A
1.65 V	529A	355A	218A	155A	108A	93.1A	73A	61A	32A
1.60 V	540A	360A	219A	156A	109A	93.6A	73.4A	61.1A	32.1A

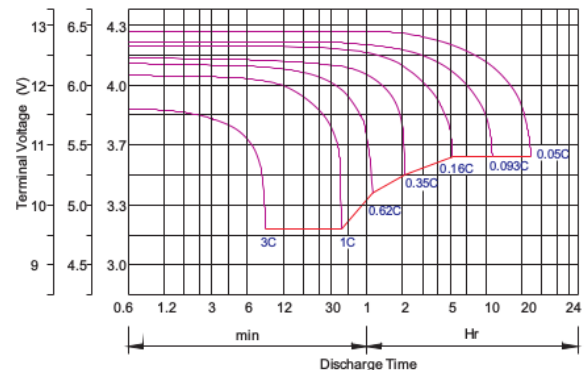
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	2HR	3HR	5HR	6HR	8HR	10HR	20HR
1.80 V	902W	624W	400W	291W	204W	175W	139W	119W	63W
1.75 V	936W	644W	411W	300W	210W	181W	143W	120W	63.4W
1.70 V	959W	657W	417W	302W	212W	182W	144W	121W	63.8W
1.65 V	990W	674W	421W	304W	213W	183W	145W	121W	64W
1.60 V	1010W	684W	423W	306W	215W	184W	146W	122W	64.1W

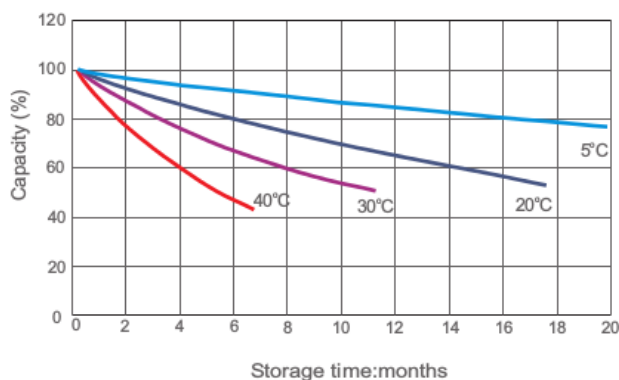
CHARGE CHARACTERISTICS



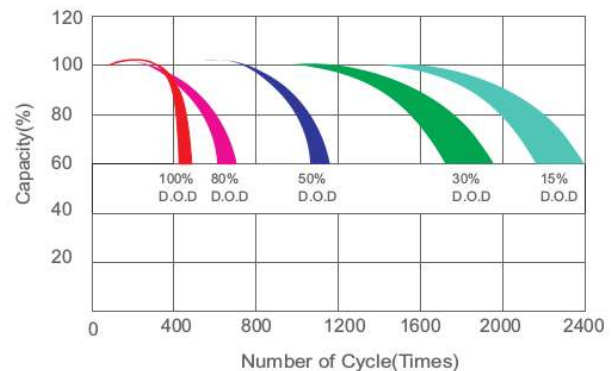
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	600 Ah (C10)
Energy	1200 Wh
Cell number	1
Charge Voltage (25°C)	Cycle use: 2.35-2.40V (-5mV / o C/ cell) Float use: 2.25-2.29V (-3mV / o C/ cell)
Max. Charge Current	120 A
Max. Discharge Current	3000 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 RXG2-600** 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:

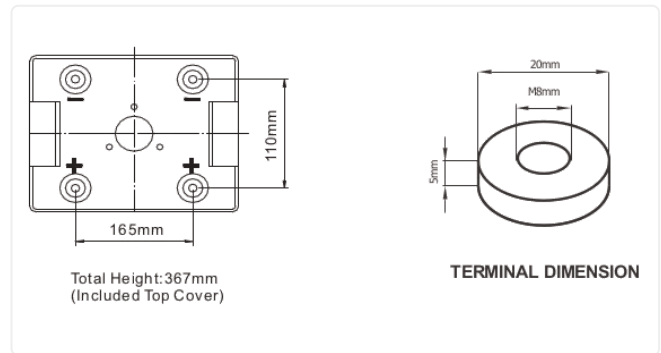
Length: 302 mm

Width: 175 mm

Height: 330 mm

Total Height: 367 mm

Weight: 35.5 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 / o C/ cell)

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

Maximum Current: Do not exceed 120 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

RXG2-400 (2 V · 400 Ah) · **RXG2-800** (2 V · 800 Ah) · [See all RXG series models](#)

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