

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

The RXG2-150 is a 2 V, 150 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser eXtended Gel (2V) series. It measures 172 × 102 × 205 mm and weighs 8 kg, with F10 terminals. It stores 300 Wh and delivers up to 750 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 **RKG2-150**.

Nominal Voltage	2 V
Capacity (25°C)	150 Ah (C10)
Energy	300 Wh
Weight	8 kg
Terminal	F10
Dimensions	172 × 102 × 205 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	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	174A	121A	82.1A	37.1A	25.9A	15A	7.88A
1.75 V	184A	125A	84.7A	38.3A	26.7A	15.1A	7.93A
1.70 V	190A	128A	86.4A	38.5A	26.9A	15.2A	7.98A
1.65 V	198A	132A	88.7A	38.8A	27.1A	15.2A	8A
1.60 V	203A	135A	90A	39A	27.2A	15.3A	8.02A

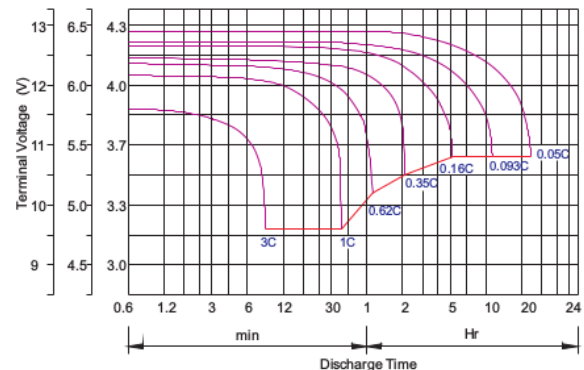
Constant Discharge Ratings (W) at 25°C

F.V / Time	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	319W	225W	156W	72.7W	51W	29.9W	15.8W
1.75 V	336W	234W	161W	75W	52.6W	30.1W	15.9W
1.70 V	348W	240W	164W	75.5W	53W	30.2W	16W
1.65 V	362W	247W	168W	76W	53.3W	30.3W	16W
1.60 V	371W	252W	171W	76.5W	53.7W	30.4W	16W

CHARGE CHARACTERISTICS



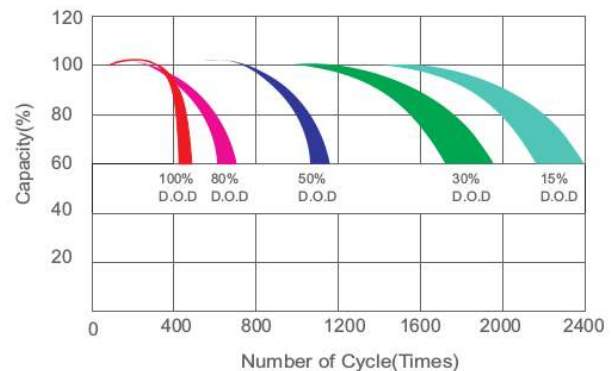
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	150 Ah (C10)
Energy	300 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	30 A
Max. Discharge Current	750 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 RXG2-150** 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:

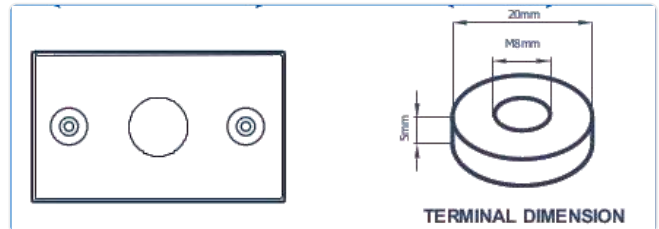
Length: 172 mm

Width: 102 mm

Height: 205 mm

Total Height: 227 mm

Weight: 8 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 30 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

RXG2-200 (2 V · 200 Ah) · [See all RXG series models](#)

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