

Deep cycling with full recovery from deep discharge.

The RDG12-150 is a 12 V, 150 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser Deep Gel series. It measures 485 × 172 × 240 mm and weighs 46 kg, with F13 terminals. It stores 1.8 kWh and delivers up to 1000 A. Deep cycling with full recovery from deep discharge. Typical applications: Solar/Wind Energy Systems, Electrical Substations, Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKG12-150**.



Nominal Voltage	12 V
Capacity (25°C)	150 Ah (C10)
Energy	1800 Wh
Weight	46 kg
Terminal	F13
Dimensions	485 × 172 × 240 mm

MAIN ADVANTAGES

- ✓ **Recovery:** Superior performance after deep discharges
- ✓ **Stable:** Low electrolyte stratification
- ✓ **Longevity:** Excellent cycle life in harsh conditions
- ✓ **Gel Tech:** Thixotropic gel electrolyte

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

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)

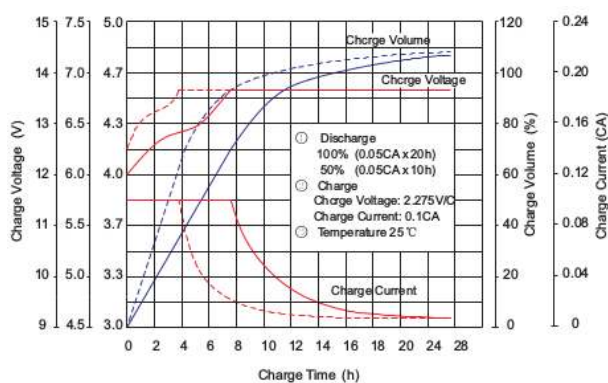
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	236A	211A	193A	135A	87.4A	38.8A	26A	14.6A	7.69A
10.80 V	276A	235A	211A	143A	91.4A	40.1A	26.6A	15A	7.87A
10.50 V	312A	258A	227A	150A	94.5A	40.9A	27.3A	15.3A	8.03A
10.20 V	358A	278A	244A	155A	96.4A	41.5A	26.7A	15.5A	8.18A
10.02 V	402A	306A	258A	161A	98.7A	42A	27.8A	15.7A	8.37A
9.60 V	450A	332A	274A	169A	101A	42.5A	28.2A	15.9A	8.57A

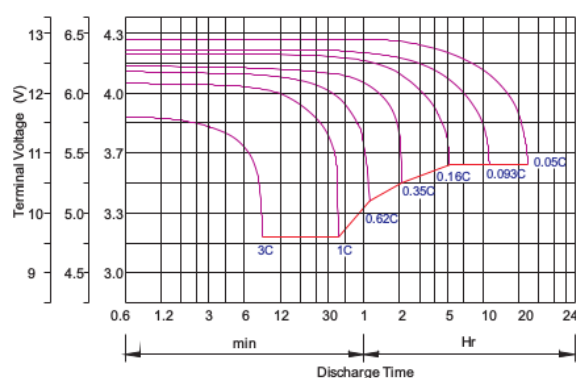
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	444W	402W	368W	260W	170W	76.1W	51.4W	29.2W	15.5W
10.80 V	510W	441W	400W	273W	175W	78W	52.2W	29.8W	15.7W
10.50 V	570W	479W	425W	283W	180W	78.8W	53.1W	30.2W	15.9W
10.20 V	647W	510W	453W	291W	182W	79.4W	53.3W	30.4W	16.1W
10.02 V	716W	556W	475W	300W	185W	79.8W	53.5W	30.5W	16.4W
9.60 V	792W	597W	500W	312W	189W	80.2W	53.7W	30.7W	16.6W

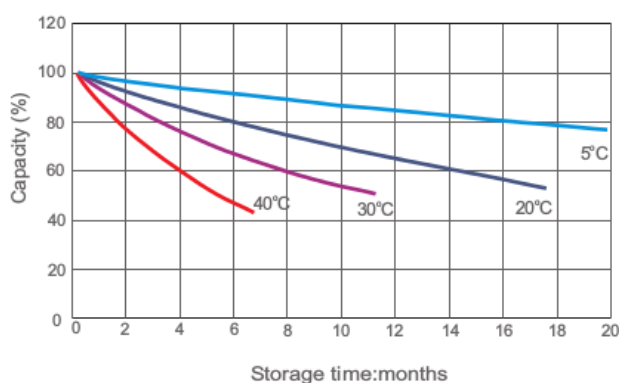
CHARGE CHARACTERISTICS



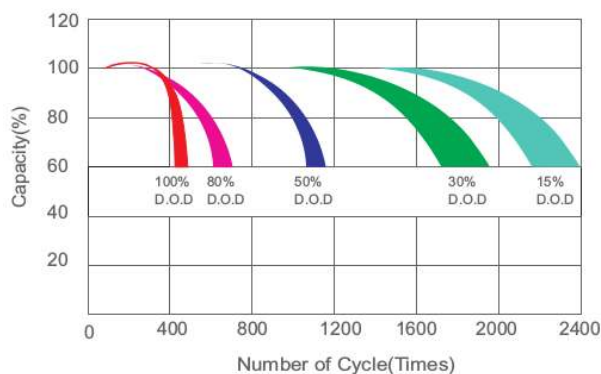
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	150 Ah (C10), 157.4 Ah (C20)
Energy	1800 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	37.5 A
Max. Discharge Current	1000 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 RDG12-150** 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:

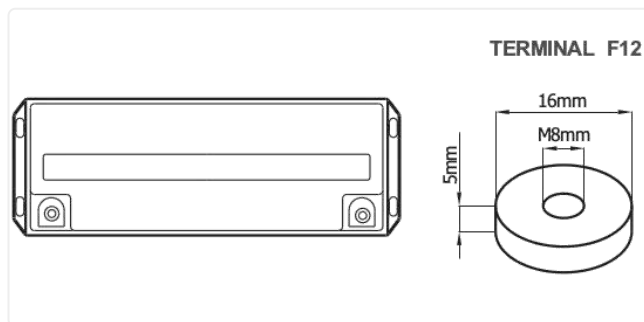
Length: 485 mm

Width: 172 mm

Height: 240 mm

Total Height: 240 mm

Weight: 46 kg



2. TERMINAL CONFIGURATION (F13)

Terminals: Ensure your system's connectors match the F13 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: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 37.5 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

RDG12-135 (12 V · 135 Ah) · **RDG12-180** (12 V · 180 Ah) · [See all RDG series models](#)

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