

The best of lead. Maintenance-free with extreme service life.

The ROV12-150 is a 12 V, 150 Ah (20-hour rate) OPzV lead-acid battery from the Rekoser OPzV (Tubular Gel) series. It measures 532 × 207 × 209 mm and weighs 58.5 kg, with F10 terminals. It stores 1.8 kWh and delivers up to 875 A. The best of lead. Maintenance-free with extreme service life. Typical applications: Solar/Wind Energy Systems, Electrical Substations, Telecommunications and Base Stations and Railway Signaling and Infrastructure.

Formerly **RKV12-150**.

Nominal Voltage	12 V
Capacity (25°C)	150 Ah (C20)
Energy	1800 Wh
Weight	58.5 kg
Terminal	F10
Dimensions	532 × 207 × 209 mm

MAIN ADVANTAGES

- ✓ **Combination:** Tubular plates with gel electrolyte
- ✓ **Maintenance:** Zero maintenance required
- ✓ **Durability:** 20 years design life at 20°C
- ✓ **Install:** Can be installed horizontally in racks

20
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



RAILWAY SIGNALING AND INFRASTRUCTURE



MARITIME



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC61427

IEC 60896-21/22

YD/T1360

BS6290 part 4

GRAPHICS (25°C)

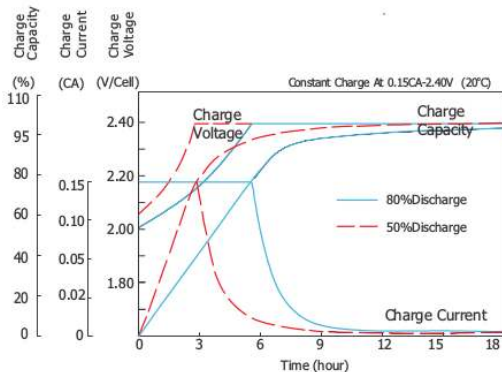
Constant Discharge Ratings (A) at 25°C

F.V / Time	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
10.8 V	151A	139A	111A	72.6A	36.1A	25.9A	14.3A	7.5A
10.5 V	160A	147A	115A	75A	37.2A	26.7A	14.3A	7.55A
10.2 V	167A	152A	118A	76.5A	37.5A	26.9A	14.4A	7.6A
9.9 V	175A	158A	122A	78.5A	37.7A	27.1A	14.5A	7.62A
9.6 V	180A	162A	125A	79.7A	37.9A	27.2A	14.5A	7.64A

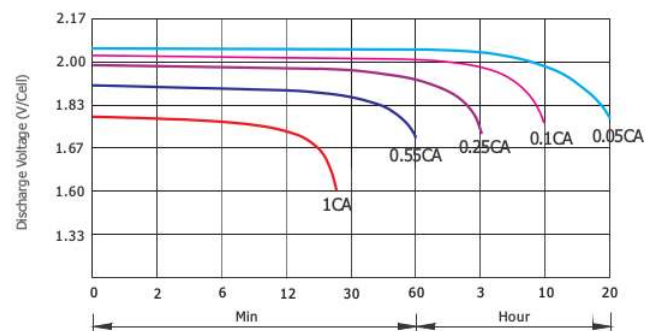
Constant Discharge Ratings (W) at 25°C

F.V / Time	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
10.8 V	272W	255W	208W	138W	70.7W	51W	28.4W	15W
10.5 V	288W	269W	216W	142W	72.9W	52.6W	28.5W	15.1W
10.2 V	301W	279W	221W	145W	73.4W	53W	28.7W	15.2W
9.9 V	314W	289W	228W	149W	73.9W	53.3W	28.8W	15.2W
9.6 V	324W	296W	233W	151W	74.4W	53.7W	28.9W	15.3W

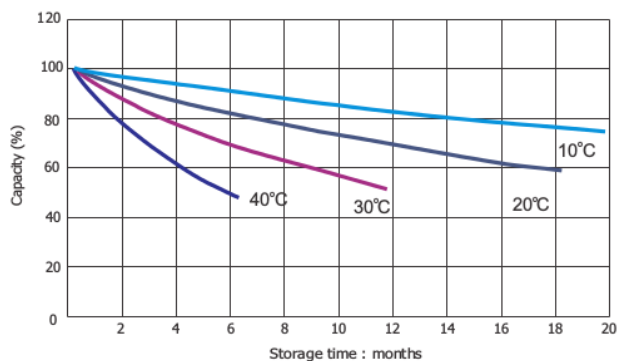
CHARGE CHARACTERISTICS



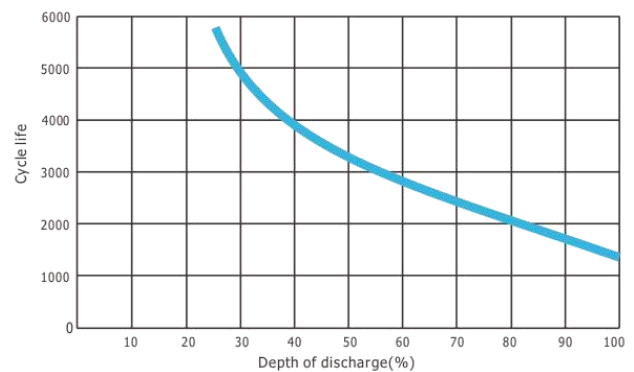
DISCHARGE CHARACTERISTIC 25°C



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	150 Ah (C20)
Energy	1800 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 13.80-14.10V (-30mV/°C/cell) Float use: 13.50-13.80V (-18mV/°C/cell)
Max. Charge Current	28 A
Max. Discharge Current	875 A
Internal Resistance	5.2 mΩ
Self Discharge	2 % 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(UL94-V0 optional)
Cover	ABS (Flame Retardant Optional)
Electrolyte	Immobilized Gel
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 ROV12-150** 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:

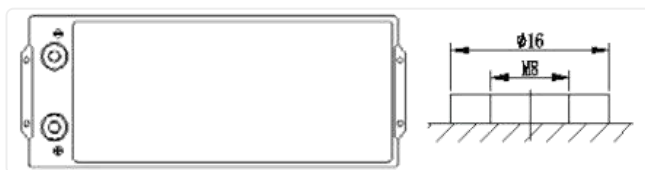
Length: 532 mm

Width: 207 mm

Height: 209 mm

Total Height: 209 mm

Weight: 58.5 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: 13.80-14.10V (-30mV/°C/cell)

Float use: 13.50-13.80V (-18mV/°C/cell)

Maximum Current: Do not exceed 28 A of charge.

4. SAFETY AND STORAGE

Maintenance: Immobilised gel and tubular plate: sealed, no water topping up.

Position: Upright, or horizontal on a rack.

Charging: Keep to the stated charge voltage: gel is sensitive to overcharging.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

ROV12-100 (12 V · 100 Ah) · **ROV12-200** (12 V · 200 Ah) · [See all ROV series models](#)

Specialized Technical Support

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