

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

The ROV6-250 is a 6 V, 250 Ah (10-hour rate) OPzV lead-acid battery from the Rekoser OPzV (Tubular Gel) series. It measures 295 × 178 × 408 mm and weighs 46.5 kg, with F10 terminals. It stores 1.5 kWh and delivers up to 1250 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 **RKV6-250**.

Nominal Voltage	6 V
Capacity (25°C)	250 Ah (C10)
Energy	1500 Wh
Weight	46.5 kg
Terminal	F10
Dimensions	295 × 178 × 408 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)

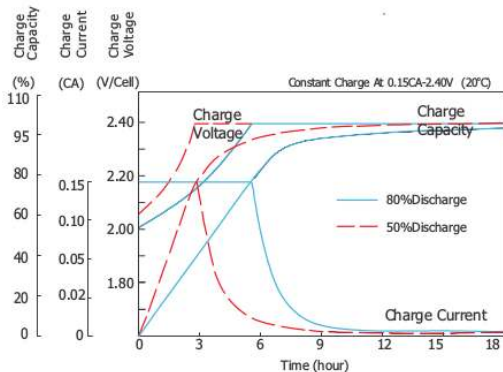
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
5.40 V	185A	116A	60.1A	43.1A	25A	13.2A
5.25 V	192A	125A	62A	44.5A	25.1A	13.3A
5.10 V	197A	127A	62.3A	44.7A	25.3A	13.3A
4.95 V	204A	131A	62.8A	45.1A	25.3A	13.5A
4.80 V	207A	132A	63.2A	45.3A	25.5A	13.5A

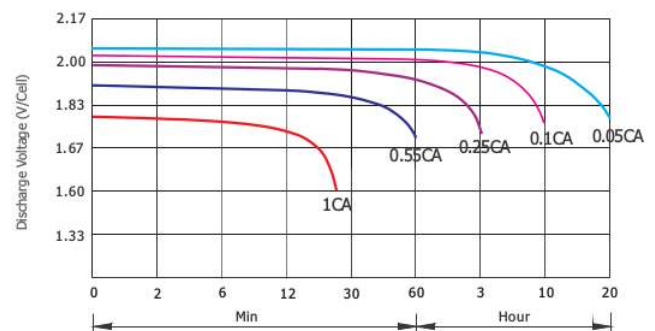
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
5.40 V	346W	230W	117W	85W	49.7W	26.5W
5.25 V	360W	273W	121W	87.6W	50W	26.6W
5.10 V	368W	242W	122W	88.2W	50.3W	26.8W
4.95 V	380W	248W	123W	88.8W	50.5W	26.8W
4.80 V	387W	252W	124W	89.3W	50.6W	27W

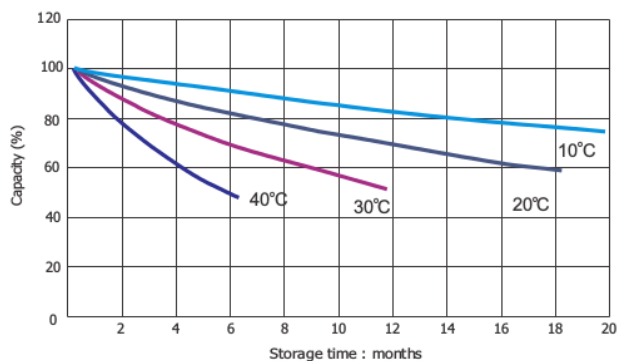
CHARGE CHARACTERISTICS



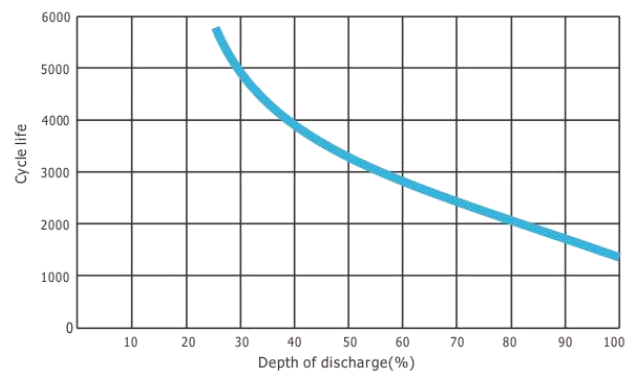
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	6 V
Capacity (25°C)	250 Ah (C10)
Energy	1500 Wh
Cell number	3
Charge Voltage (25°C)	Cycle use: 7.05-7.20V (-5mV/°C/cell) Float use: 6.75-6.90V (-3mV/°C/cell)
Max. Charge Current	60 A
Max. Discharge Current	1250 A
Internal Resistance	4.7 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 ROV6-250** 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:

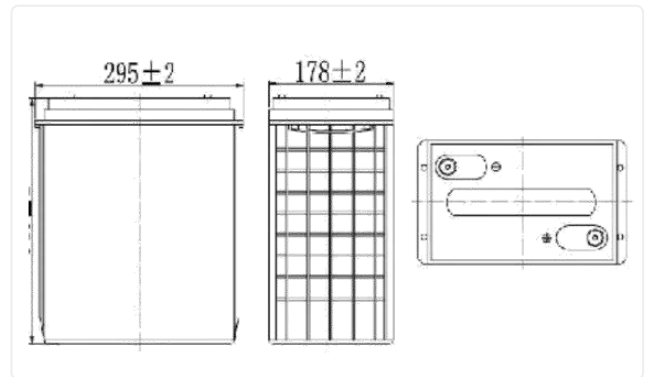
Length: 295 mm

Width: 178 mm

Height: 408 mm

Total Height: 408 mm

Weight: 46.5 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: 7.05-7.20V (-5mV/°C/cell)

Float use: 6.75-6.90V (-3mV/°C/cell)

Maximum Current: Do not exceed 60 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

ROV6-300 (6 V · 300 Ah) · [See all ROV series models](#)

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