

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

The ROV6-300 is a 6 V, 300 Ah (10-hour rate) OPzV lead-acid battery from the Rekoser OPzV (Tubular Gel) series. It measures 295 × 178 × 405 mm and weighs 52.5 kg, with F10 terminals. It stores 1.8 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 **RKV6-300**.



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

Nominal Voltage	6 V
Capacity (25°C)	300 Ah (C10)
Energy	1800 Wh
Weight	52.5 kg
Terminal	F10
Dimensions	295 × 178 × 405 mm

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)

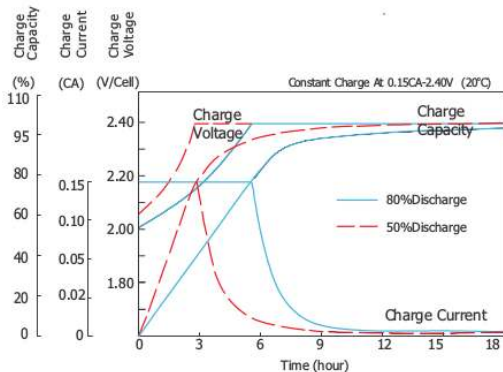
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
5.40 V	222A	145A	72.2A	51.8A	30A	16.2A
5.25 V	231A	150A	74.4A	53.4A	30.2A	16.3A
5.10 V	237A	153A	74.9A	53.8A	30.4A	16.4A
4.95 V	244A	157A	75.4A	54.1A	30.5A	16.5A
4.80 V	249A	159A	75.9A	54.5A	30.5A	16.5A

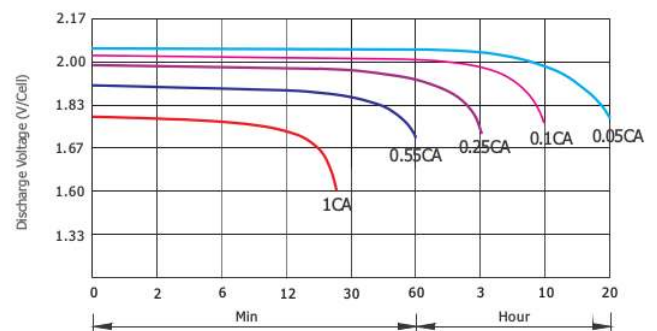
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
5.40 V	516W	276W	141W	102W	59.7W	31.2W
5.25 V	432W	285W	146W	105W	60W	31.4W
5.10 V	442W	291W	147W	106W	60.5W	31.6W
4.95 V	456W	298W	148W	107W	60.7W	31.8W
4.80 V	466W	303W	149W	107W	60.8W	32W

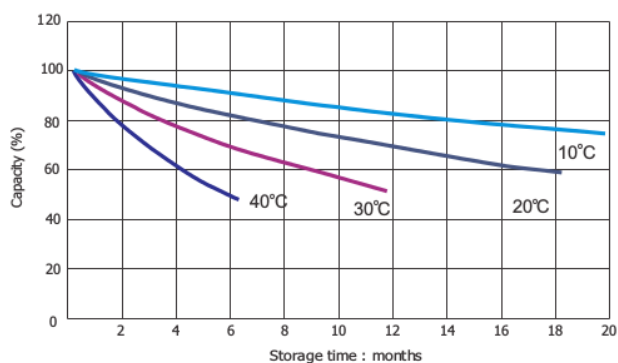
CHARGE CHARACTERISTICS



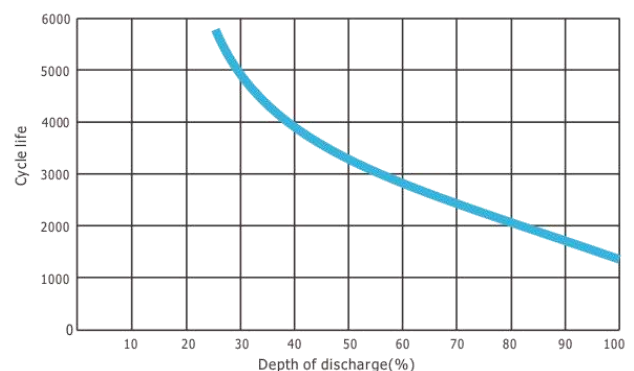
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	6 V
Capacity (25°C)	300 Ah (C10)
Energy	1800 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 ROV6-300** 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: 405 mm

Total Height: 405 mm

Weight: 52.5 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

ROV6-250 (6 V · 250 Ah) · [See all ROV series models](#)

Specialized Technical Support

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