

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

The ROV2-300 is a 2 V, 300 Ah (10-hour rate) OPzV lead-acid battery from the Rekoser OPzV (Tubular Gel) series. It measures 145 × 206 × 354 mm and weighs 24 kg, with F10 terminals. It stores 600 Wh and delivers up to 1500 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 **RKV2-300**.



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	2 V
Capacity (25°C)	300 Ah (C10)
Energy	600 Wh
Weight	24 kg
Terminal	F10
Dimensions	145 × 206 × 354 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)

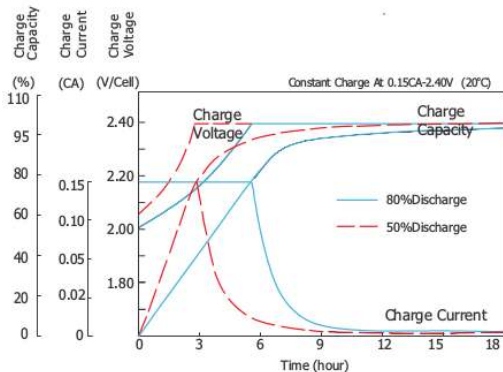
Constant Discharge Ratings (A) at 25°C

F.V / Time	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR
1.90 V	110A	107A	100A	84A	60A	44.4A	26.3A
1.85 V	172A	158A	136A	107A	71.1A	51.3A	28.9A
1.80 V	225A	204A	165A	130A	78.8A	53.6A	30A
1.75 V	238A	224A	193A	142A	81A	54.6A	30.9A
1.70 V	259A	246A	212A	150A	82.5A	55.5A	31.5A

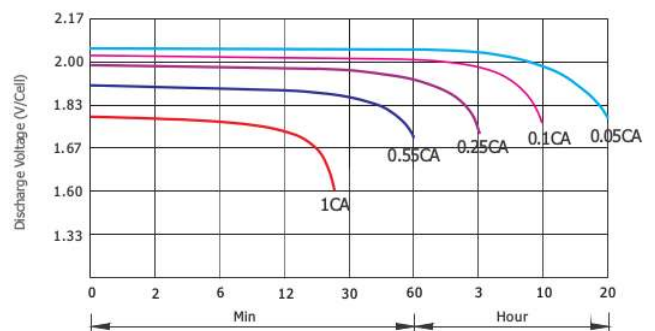
Constant Discharge Ratings (W) at 25°C

F.V / Time	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR
1.90 V	212W	207W	195W	165W	119W	88.9W	53.1W
1.85 V	322W	296W	257W	204W	139W	101W	57.4W
1.80 V	409W	373W	304W	242W	150W	103W	58.4W
1.75 V	427W	403W	351W	260W	152W	104W	59.5W
1.70 V	458W	437W	380W	271W	153W	105W	60.2W

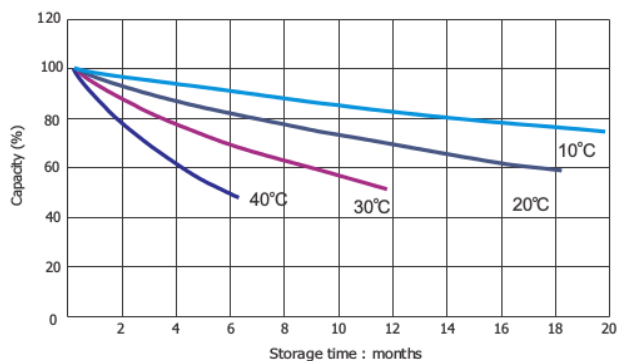
CHARGE CHARACTERISTICS



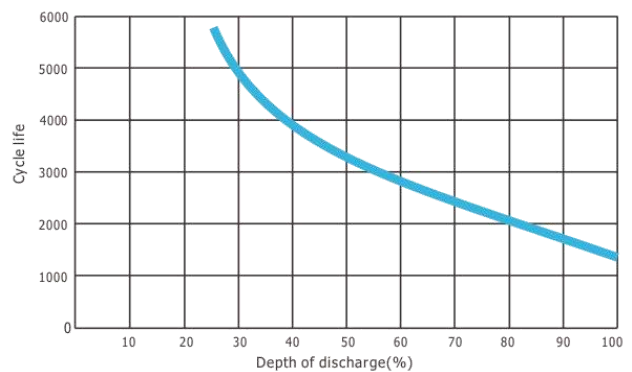
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	300 Ah (C10)
Energy	600 Wh
Cell number	1
Charge Voltage (25°C)	Cycle use: 2.35-2.40V (-5mV/°C/cell) Float use: 2.25-2.29V (-3mV/°C/cell)
Max. Charge Current	60 A
Max. Discharge Current	1500 A
Internal Resistance	0.31 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 ROV2-300** 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:

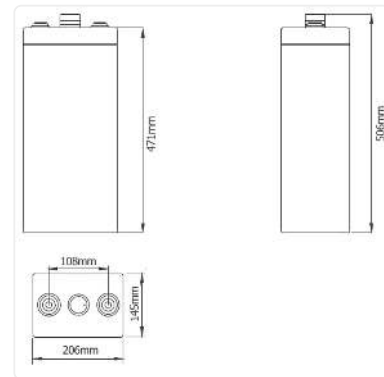
Length: 145 mm

Width: 206 mm

Height: 354 mm

Total Height: 390 mm

Weight: 24 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/cell)

Float use: 2.25-2.29V (-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

ROV2-250 (2 V · 250 Ah) · **ROV2-350** (2 V · 350 Ah) · [See all ROV series models](#)

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