

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

The ROV2-350 is a 2 V, 350 Ah (10-hour rate) OPzV lead-acid battery from the Rekoser OPzV (Tubular Gel) series. It measures 124 × 206 × 471 mm and weighs 26.5 kg, with F10 terminals. It stores 700 Wh and delivers up to 2500 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 **RKV2-350**.

Nominal Voltage	2 V
Capacity (25°C)	350 Ah (C10)
Energy	700 Wh
Weight	26.5 kg
Terminal	F10
Dimensions	124 × 206 × 471 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)

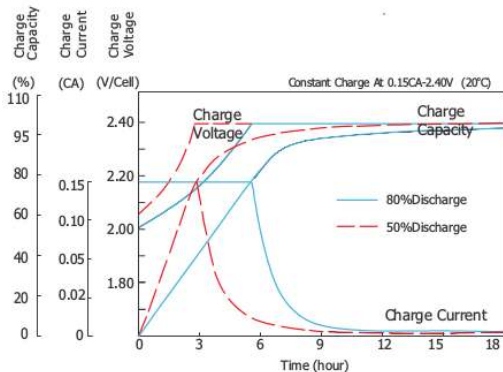
Constant Discharge Ratings (A) at 25°C

F.V / Time	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR
1.90 V	128A	125A	117A	98A	70A	51.8A	30.6A
1.85 V	201A	184A	159A	125A	83A	59.9A	33.7A
1.80 V	262A	238A	192A	152A	92A	62.5A	35A
1.75 V	278A	278A	225A	165A	94.5A	63.7A	36.1A
1.70 V	303A	287A	247A	174A	96.3A	64.8A	36.8A

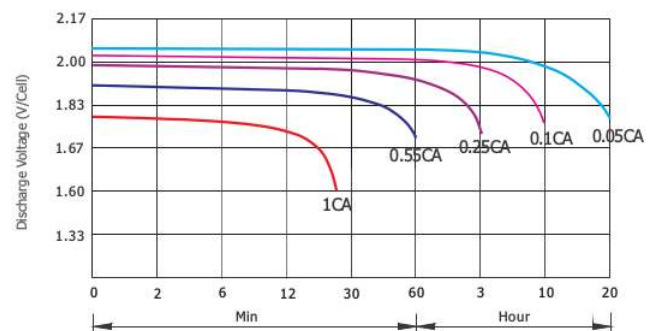
Constant Discharge Ratings (W) at 25°C

F.V / Time	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR
1.90 V	248W	242W	227W	192W	139W	104W	61.9W
1.85 V	376W	346W	300W	238W	162W	118W	66.9W
1.80 V	478W	435W	354W	283W	175W	120W	68.2W
1.75 V	498W	470W	410W	304W	177W	121W	69.4W
1.70 V	535W	510W	444W	317W	179W	122W	70.2W

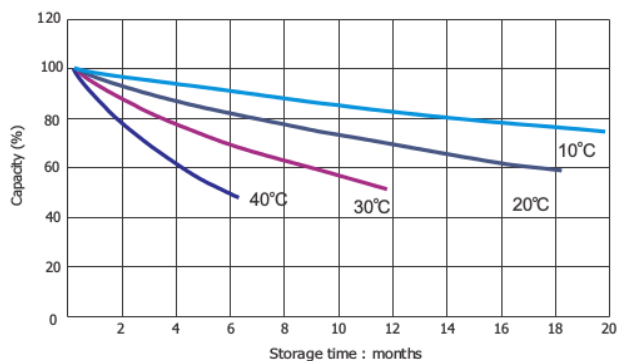
CHARGE CHARACTERISTICS



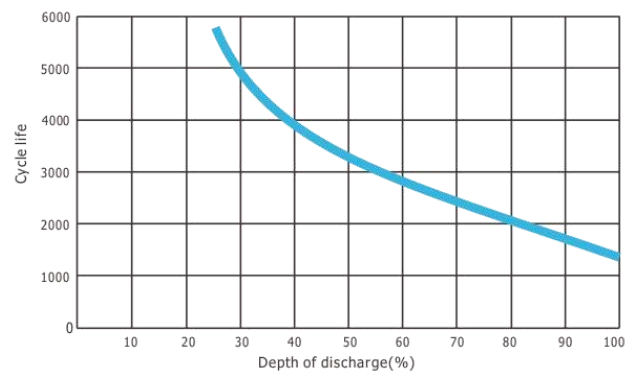
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	350 Ah (C10)
Energy	700 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	240 A
Max. Discharge Current	2500 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 ROV2-350** 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: 124 mm

Width: 206 mm

Height: 471 mm

Total Height: 506 mm

Weight: 26.5 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: 2.35-2.40V (-5mV/°C/cell)

Float use: 2.25-2.29V (-3mV/°C/cell)

Maximum Current: Do not exceed 240 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

ROV2-300 (2 V · 300 Ah) · **ROV2-420** (2 V · 420 Ah) · [See all ROV series models](#)

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