

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

The ROV2-100 is a 2 V, 100 Ah (10-hour rate) OPzV lead-acid battery from the Rekoser OPzV (Tubular Gel) series. It measures 103 × 206 × 354 mm and weighs 13 kg, with F10 terminals. It stores 200 Wh and delivers up to 800 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 **RKV2-100**.

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)	100 Ah (C10)
Energy	200 Wh
Weight	13 kg
Terminal	F10
Dimensions	103 × 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)

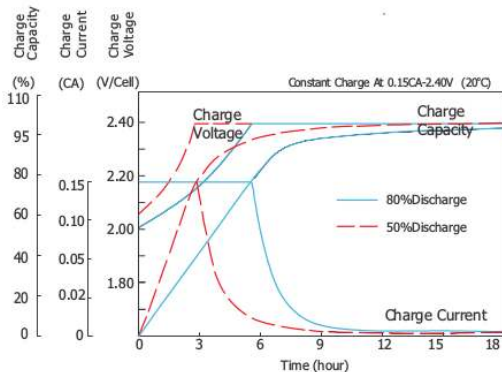
Constant Discharge Ratings (A) at 25°C

F.V / Time	15MIN	30MIN	1HR	3HR	5HR	10HR
1.70 V	125A	86A	55.5A	25.5A	17.3A	10.5A
1.75 V	114A	82.4A	55A	25A	17A	10.3A
1.80 V	101A	76.8A	51A	24A	16.8A	10A
1.85 V	87.4A	68.4A	46.8A	22.5A	15.9A	9.5A
1.90 V	73.8A	60A	42.5A	21A	15A	9A

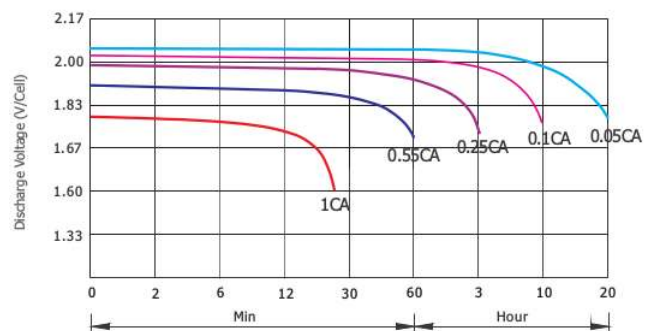
Constant Discharge Ratings (W) at 25°C

F.V / Time	15MIN	30MIN	1HR	3HR	5HR	10HR
1.70 V	208W	148W	117W	50.2W	37.8W	21.5W
1.75 V	184W	144W	106W	50.1W	36.9W	20.1W
1.80 V	163W	138W	96.9W	49.5W	36W	19.9W
1.85 V	150W	124W	91.9W	47.9W	34.8W	19.1W
1.90 V	138W	110W	86.9W	46.3W	33.5W	18.2W

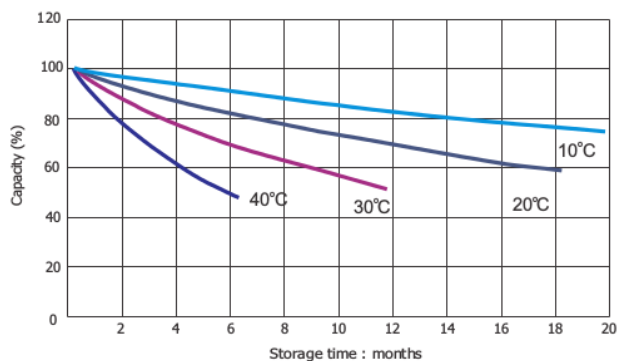
CHARGE CHARACTERISTICS



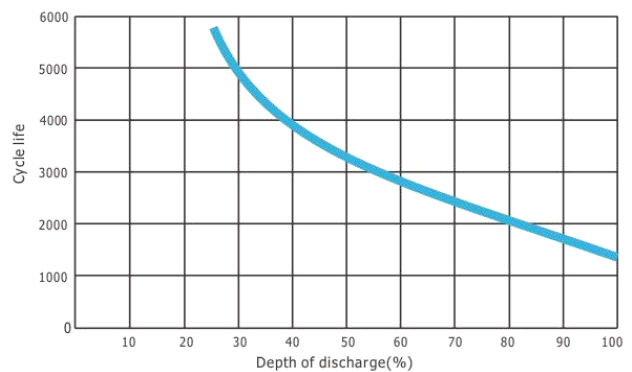
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	100 Ah (C10)
Energy	200 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	20 A
Max. Discharge Current	800 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 ROV2-100** 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:

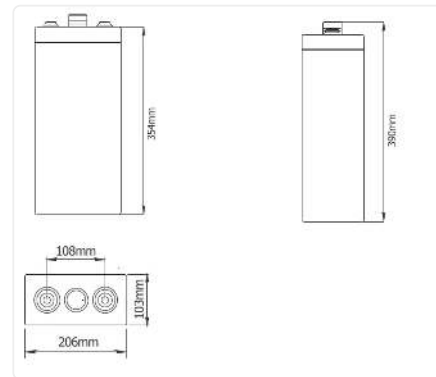
Length: 103 mm

Width: 206 mm

Height: 354 mm

Total Height: 390 mm

Weight: 13 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 20 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

ROV2-150 (2 V · 150 Ah) · [See all ROV series models](#)

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