

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

The ROV2-1500 is a 2 V, 1500 Ah (10-hour rate) OPzV lead-acid battery from the Rekoser OPzV (Tubular Gel) series. It measures 275 × 210 × 796 mm and weighs 105 kg, with F10 terminals. It stores 3 kWh and delivers up to 3000 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 RKV2-1500.



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)	1500 Ah (C10)
Energy	3000 Wh
Weight	105 kg
Terminal	F10
Dimensions	275 × 210 × 796 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)

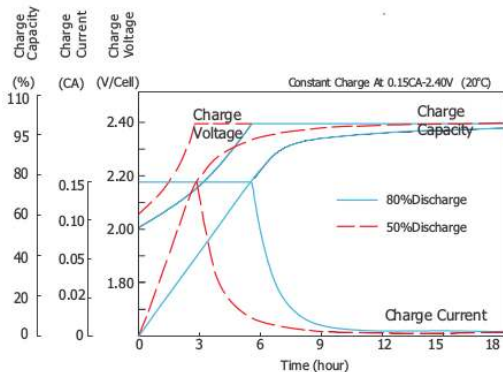
Constant Discharge Ratings (A) at 25°C

F.V / Time	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR
1.90 V	534A	519A	485A	407A	294A	218A	129A
1.85 V	837A	766A	660A	519A	349A	251A	141A
1.80 V	1091A	989A	798A	631A	386A	262A	150A
1.75 V	1157A	1086A	936A	686A	397A	268A	151A
1.70 V	1259A	1193A	1028A	725A	404A	272A	154A

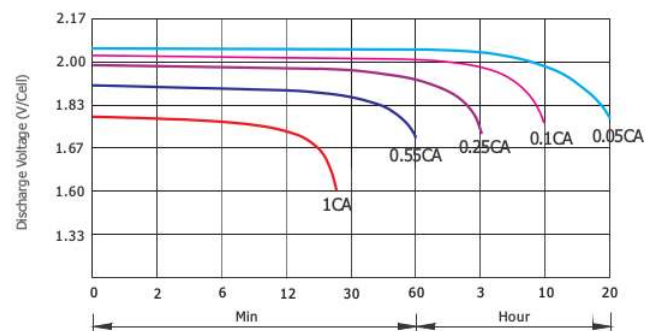
Constant Discharge Ratings (W) at 25°C

F.V / Time	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR
1.90 V	1031W	1005W	944W	799W	585W	436W	260W
1.85 V	1563W	1438W	1247W	991W	679W	494W	281W
1.80 V	1985W	1809W	1472W	1176W	736W	505W	286W
1.75 V	2071W	1956W	1702W	1262W	745W	508W	292W
1.70 V	2223W	2118W	1845W	1316W	751W	511W	295W

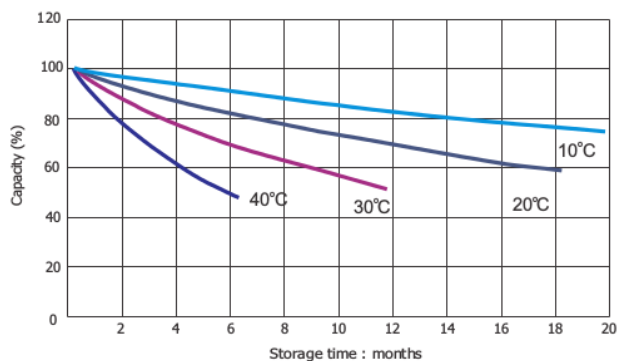
CHARGE CHARACTERISTICS



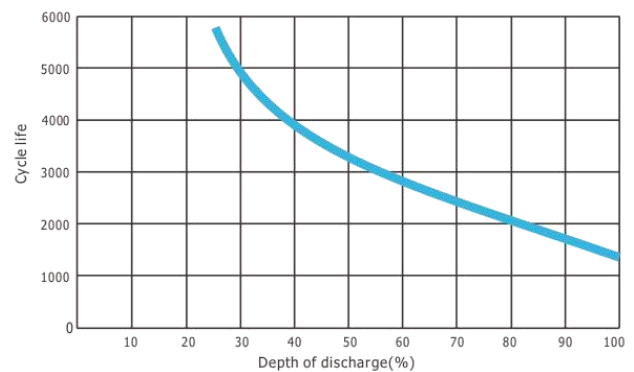
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	1500 Ah (C10)
Energy	3000 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	300 A
Max. Discharge Current	3000 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 ROV2-1500** 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:

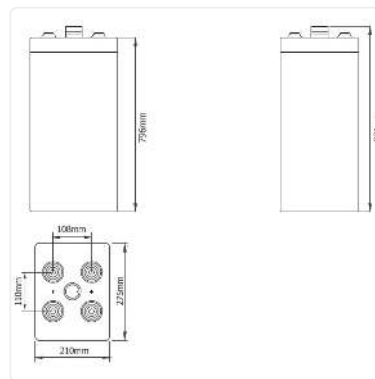
Length: 275 mm

Width: 210 mm

Height: 796 mm

Total Height: 831 mm

Weight: 105 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 300 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

ROV2-1250 (2 V · 1250 Ah) · **ROV2-1800** (2 V · 1800 Ah) · [See all ROV series models](#)

Specialized Technical Support

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