

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

The ROV2-1250 is a 2 V, 1250 Ah (10-hour rate) OPzV lead-acid battery from the Rekoser OPzV (Tubular Gel) series. It measures 275 × 210 × 646 mm and weighs 85 kg, with F10 terminals. It stores 2.5 kWh 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 **RKV2-1250**.

Nominal Voltage	2 V
Capacity (25°C)	1250 Ah (C10)
Energy	2500 Wh
Weight	85 kg
Terminal	F10
Dimensions	275 × 210 × 646 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)

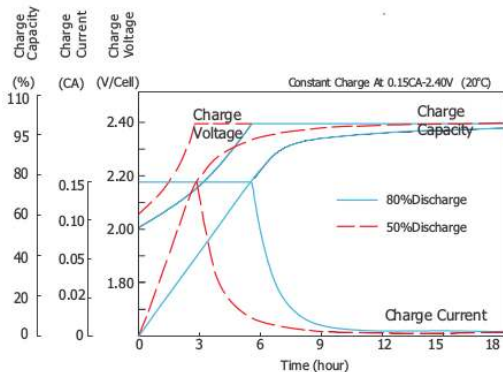
Constant Discharge Ratings (A) at 25°C

F.V / Time	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR
1.90 V	447A	417A	406A	342A	245A	181A	107A
1.85 V	701A	616A	552A	435A	291A	209A	118A
1.80 V	914A	796A	669A	528A	322A	219A	125A
1.75 V	969A	874A	785A	575A	331A	223A	126A
1.70 V	1055A	959A	862A	607A	337A	227A	128A

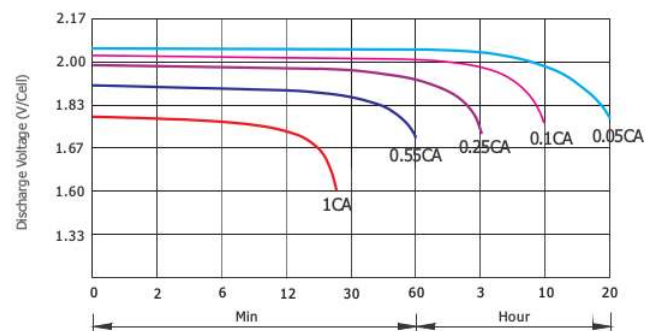
Constant Discharge Ratings (W) at 25°C

F.V / Time	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR
1.90 V	864W	842W	791W	670W	488W	364W	217W
1.85 V	1310W	1205W	1045W	830W	566W	412W	234W
1.80 V	1664W	1516W	1234W	986W	614W	421W	239W
1.75 V	1735W	1638W	1426W	1058W	621W	423W	243W
1.70 V	1862W	1775W	1545W	1102W	626W	426W	246W

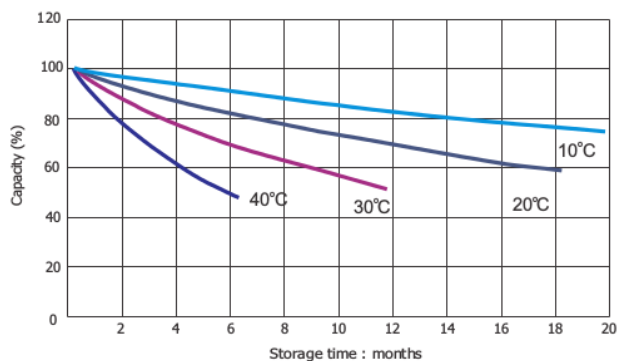
CHARGE CHARACTERISTICS



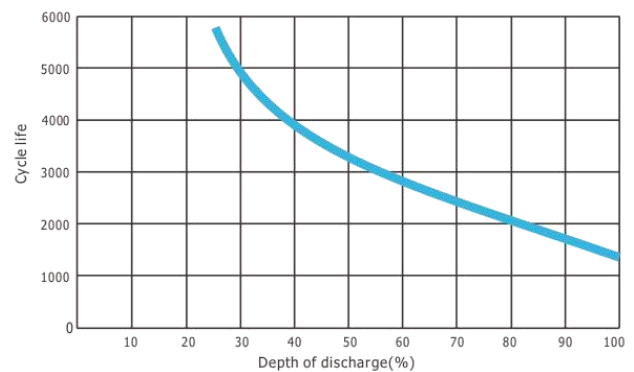
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	1250 Ah (C10), 1296 Ah (C20)
Energy	2500 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	250 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 ROV2-1250** 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: 646 mm

Total Height: 681 mm

Weight: 85 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 250 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

ROV2-1200 (2 V · 1200 Ah) · **ROV2-1500** (2 V · 1500 Ah) · [See all ROV series models](#)

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