

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

The ROV12-200 is a 12 V, 200 Ah (10-hour rate) OPzV lead-acid battery from the Rekoser OPzV (Tubular Gel) series. It measures 499 × 259 × 238 mm and weighs 73.5 kg, with IT-M8-CU-20-7 terminals. It stores 2.4 kWh and delivers up to 1000 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 RKV12-200.



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	12 V
Capacity (25°C)	200 Ah (C10)
Energy	2400 Wh
Weight	73.5 kg
Terminal	IT-M8-CU-20-7
Dimensions	499 × 259 × 238 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)

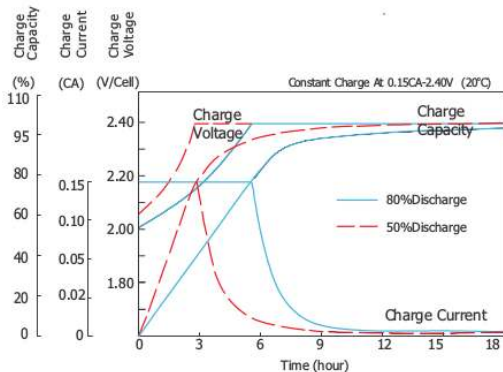
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
11.1 V	138A	90.3A	45.6A	32.8A	18.2A	9.6A
10.8 V	148A	96.9A	48.1A	34.5A	19A	10A
10.5 V	154A	99.9A	49.6A	35.6A	19.1A	10.1A
10.2 V	158A	102A	49.9A	35.8A	19.2A	10.1A
9.9 V	163A	105A	50.3A	36.1A	19.3A	10.2A

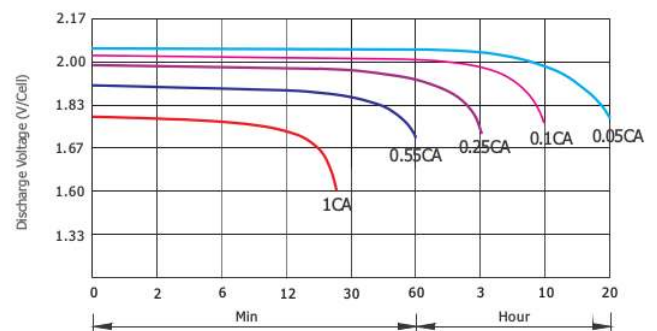
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
11.1 V	258W	172W	89.4W	64.5W	36.3W	19.2W
10.8 V	277W	184W	94.3W	68W	37.8W	20W
10.5 V	288W	190W	97.2W	71.1W	38W	20.1W
10.2 V	295W	194W	97.9W	70.6W	38.3W	20.3W
9.9 V	304W	199W	98.6W	71.1W	38.4W	20.3W

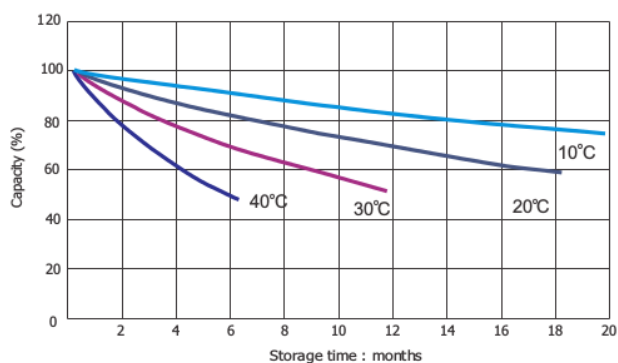
CHARGE CHARACTERISTICS



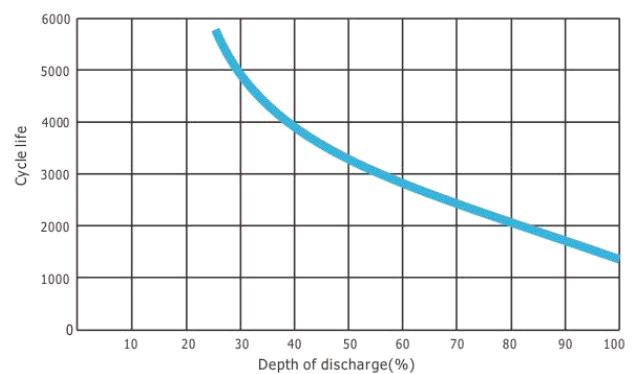
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	200 Ah (C10)
Energy	2400 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 13.80-14.10V (-30mV/°C/cell) Float use: 13.50-13.80V (-18mV/°C/cell)
Max. Charge Current	40 A
Max. Discharge Current	1000 A
Internal Resistance	3.6 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 ROV12-200** 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:

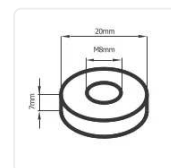
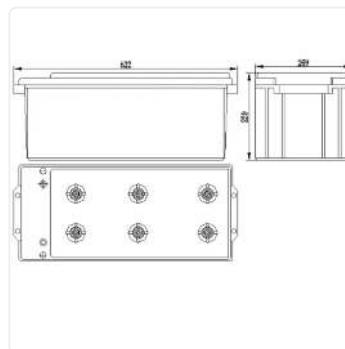
Length: 499 mm

Width: 259 mm

Height: 238 mm

Total Height: 238 mm

Weight: 73.5 kg



Terminal IT-M8-CU-20-7

2. TERMINAL CONFIGURATION (IT-M8-CU-20-7)

Terminals: Ensure your system's connectors match the IT-M8-CU-20-7 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: 13.80-14.10V (-30mV/°C/cell)

Float use: 13.50-13.80V (-18mV/°C/cell)

Maximum Current: Do not exceed 40 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

ROV12-150 (12 V · 150 Ah) · **ROV12-420M** (12 V · 420 Ah) · [See all ROV series models](#)

Specialized Technical Support

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