

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

The ROV12-75 is a 12 V, 75 Ah (10-hour rate) OPzV lead-acid battery from the Rekoser OPzV (Tubular Gel) series. It measures 330 × 171 × 214 mm and weighs 30.5 kg, with F10 terminals. It stores 900 Wh and delivers up to 400 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 **RKV12-75**.

Nominal Voltage	12 V
Capacity (25°C)	75 Ah (C10)
Energy	900 Wh
Weight	30.5 kg
Terminal	F10
Dimensions	330 × 171 × 214 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)

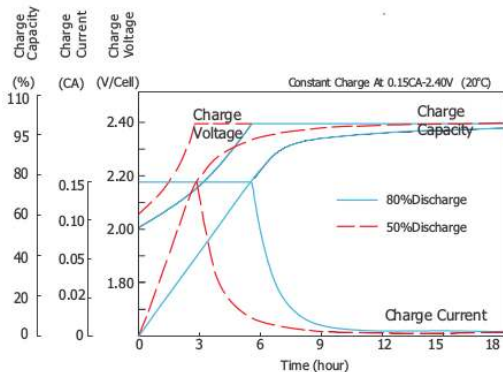
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
11.1 V	58A	37.9A	18.9A	13.6A	7.5A	3.96A
10.8 V	62.4A	40.8A	19.8A	14.6A	8A	4.21A
10.5 V	64.7A	42.1A	20A	15A	8.04 16.0A	4.24A
10.2 V	66.5A	42.9A	20.3A	15.1A	8.1A	4.27A
9.9 V	68.5A	44A	20.5A	15.2A	8.13A	4.28A

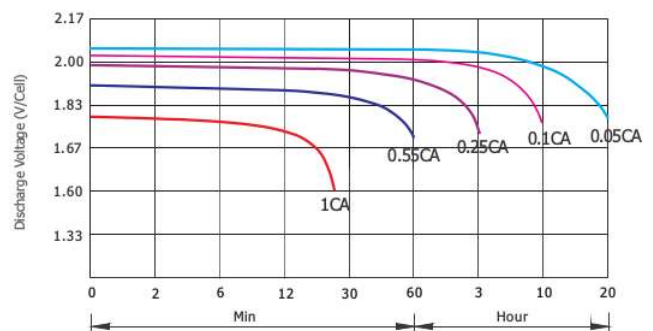
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
11.1 V	110W	72.8W	37.2W	26.9W	15W	7.92W
10.8 V	117W	77.5W	38.8W	28.8W	15.9W	8.32W
10.5 V	122W	79.5W	39.1W	29.5W	W	8.4W
10.2 V	124W	80.3W	39.2W	29.5W	16W	8.4W
9.9 V	127W	81.9W	39.3W	29.6W	16.1W	8.45W

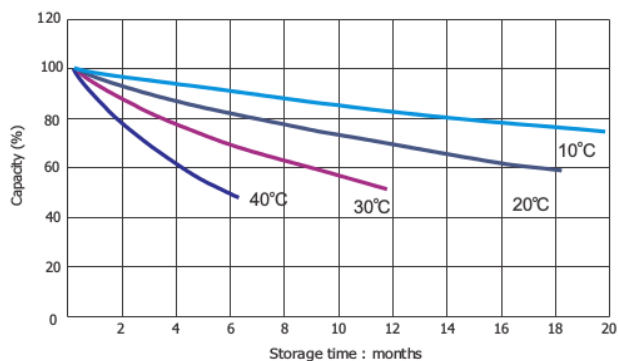
CHARGE CHARACTERISTICS



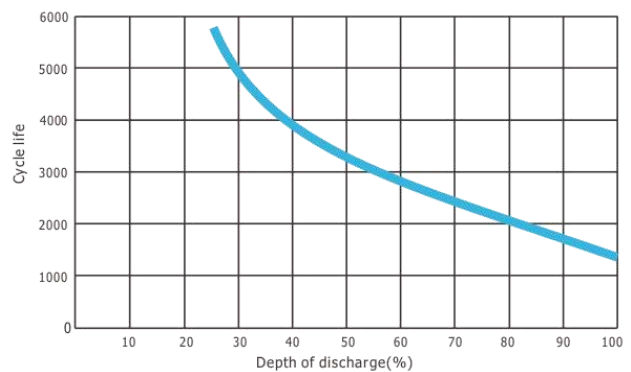
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	75 Ah (C10)
Energy	900 Wh
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	16 A
Max. Discharge Current	400 A
Internal Resistance	7.8 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 ROV12-75** 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:

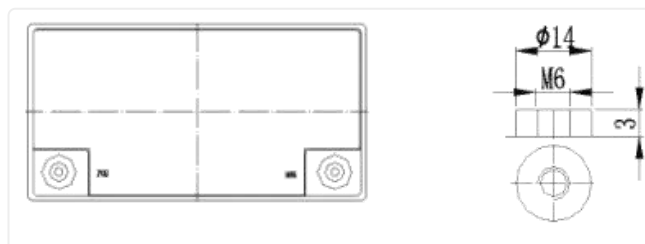
Length: 330 mm

Width: 171 mm

Height: 214 mm

Total Height: 214 mm

Weight: 30.5 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: 13.80-14.10V (-30mV/°C/cell)

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

Maximum Current: Do not exceed 16 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

ROV12-100 (12 V · 100 Ah) · [See all ROV series models](#)

Specialized Technical Support

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