

The energy tank. 20+ years of proven service life.

The ROS2-1200 is a 2 V, 1200 Ah (10-hour rate) OPzS lead-acid battery from the Rekoser OPzS (Flooded) series. It measures 275 × 210 × 645 mm and weighs 61.5 kg, with F10 terminals. It stores 2.4 kWh and delivers up to 2500 A. The energy tank. 20+ years of proven service life. Typical applications: Solar/Wind Energy Systems, Electrical Substations, Telecommunications and Base Stations and Railway Signaling and Infrastructure.

Formerly **RKS2-1200**.



MAIN ADVANTAGES

- ✓ **Technology:** Vented tubular plates with liquid electrolyte
- ✓ **Maintenance:** Periodic topping up with distilled water required
- ✓ **Durability:** Over 20 years proven design life at 20°C
- ✓ **Control:** Transparent container for easy electrolyte level monitoring

Nominal Voltage	2 V
Capacity (25°C)	1200 Ah (C10)
Energy	2400 Wh
Weight	61.5 kg
Terminal	F10
Dimensions	275 × 210 × 645 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

IEC 60896-21/22

YD/T1360

BS6290 part 4

DIN40742

GRAPHICS (25°C)

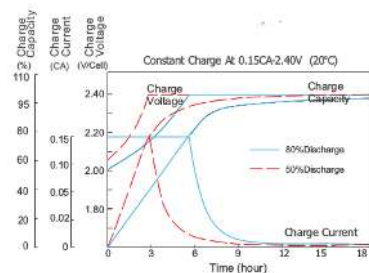
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR	100HR
1.90 V	479A	436A	396A	388A	359A	227A	167A	109A	60.1A	15.2A
1.85 V	517A	496A	487A	485A	408A	251A	196A	114A	62.7A	16.2A
1.80 V	826A	792A	775A	667A	524A	307A	208A	120A	66A	16.8A
1.75 V	991A	950A	922A	763A	584A	318A	214A	124A	69.3A	17.2A

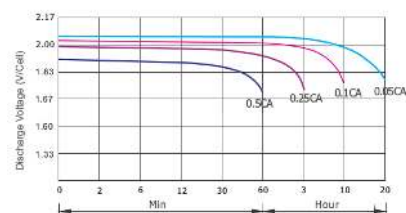
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR	100HR
1.90 V	929W	845W	758W	733W	690W	493W	358W	226W	121W	33W
1.85 V	1003W	962W	935W	911W	785W	516W	397W	245W	132W	34.4W
1.80 V	1602W	1537W	1318W	1219W	1028W	656W	454W	264W	137W	35.3W
1.75 V	1922W	1844W	1351W	1228W	1037W	695W	474W	275W	140W	35.6W

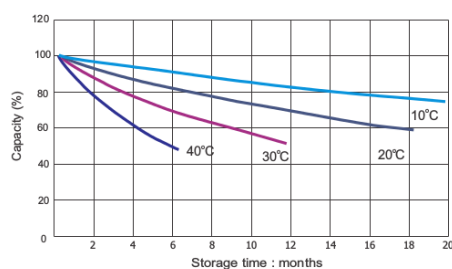
CHARGE CHARACTERISTICS



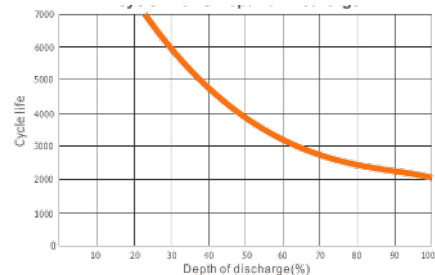
DISCHARGE CHARACTERISTIC 25°C



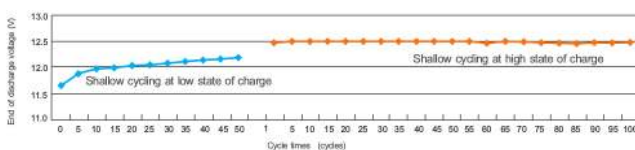
SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



CYCLE DISCHARGE VOLTAGE CURVE (Test standard BS EN 61427:2005)



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	1200 Ah (C10), 1320 Ah (C20)
Energy	2400 Wh
Cell number	1
Charge Voltage (25°C)	Cycle use: 2.35-2.40V (-5mV/°C/cell) Float use: 2.21-2.25V (-3mV/°C/cell)
Max. Charge Current	240 A
Max. Discharge Current	2500 A
Internal Resistance	0.35 mΩ
Self Discharge	3 % 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	SAN
Cover	ABS (Flame Retardant Optional)
Electrolyte	Sulphuric acid
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 ROS2-1200** 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:

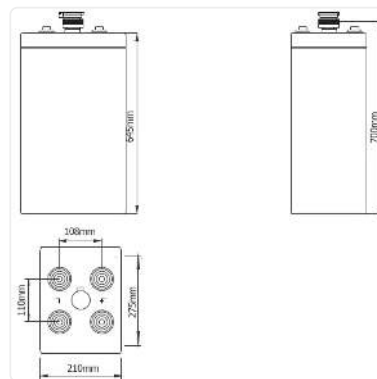
Length: 275 mm

Width: 210 mm

Height: 645 mm

Total Height: 700 mm

Weight: 61.5 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: 2.35-2.40V (-5mV/°C/cell)

Float use: 2.21-2.25V (-3mV/°C/cell)

Maximum Current: Do not exceed 240 A of charge.

4. SAFETY AND STORAGE

Maintenance: Check the electrolyte level and top up only with distilled or demineralised water.

Position: Always upright.

Ventilation: Install in a ventilated room: hydrogen is released during charging.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

ROS2-800 (2 V · 800 Ah) · **ROS2-1500** (2 V · 1500 Ah) · [See all ROS series models](#)

Specialized Technical Support

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