

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

The ROS6-260 is a 6 V, 260 Ah (20-hour rate) OPzS lead-acid battery from the Rekoser OPzS (Flooded) series. It measures 260 × 280 × 248 mm and weighs 22 kg, with F10 terminals. It stores 1.56 kWh and delivers up to 1000 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 **RKS6-260**.

Nominal Voltage	6 V
Capacity (25°C)	260 Ah (C20)
Energy	1560 Wh
Weight	22 kg
Terminal	F10
Dimensions	260 × 280 × 248 mm

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

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)

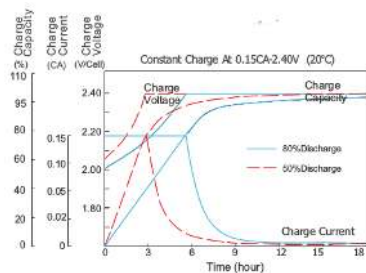
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
5.55 V	448A	406A	374A	265A	173A	77.5A	52A	29.2A	15.4A
5.40 V	523A	451A	410A	281A	181A	80.1A	53.2A	30A	15.7A
5.25 V	592A	496A	440A	294A	187A	81.7A	54.5A	30.6A	16.1A
5.01 V	763A	587A	501A	316A	196A	84A	55.7A	31.4A	16.7A
4.80 V	855A	638A	532A	331A	201A	85A	56.5A	31.8A	17.1A

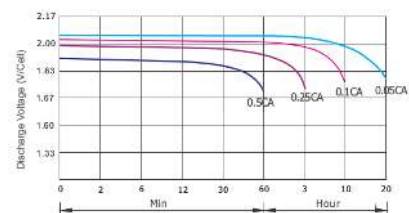
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
5.55 V	844W	771W	714W	511W	336W	152W	103W	58.4W	30.9W
5.40 V	970W	846W	776W	535W	347W	156W	104W	59.6W	31.4W
5.25 V	1082W	921W	824W	555W	356W	158W	106W	60.3W	31.8W
5.01 V	1361W	1067W	921W	588W	367W	160W	108W	61W	32.7W
4.80 V	1506W	1146W	970W	612W	374W	161W	110W	61.4W	33.2W

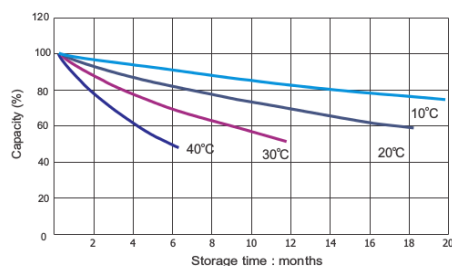
CHARGE CHARACTERISTICS



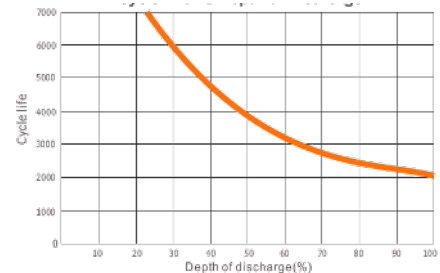
DISCHARGE CHARACTERISTIC 25°C



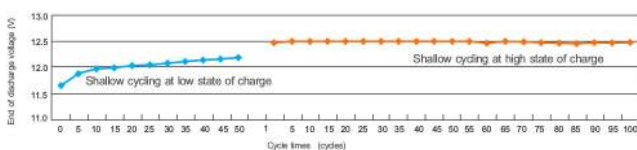
SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



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



SPECIFICATIONS

Nominal Voltage	6 V
Capacity (25°C)	260 Ah (C20), 215 Ah (C5)
Energy	1560 Wh
Cell number	3
Charge Voltage (25°C)	Cycle use: 7.80-8.40V (-5mV/°C/cell) Float use: 7.35-7.5V (-3mV/°C/cell)
Max. Charge Current	90 A
Max. Discharge Current	1000 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 ROS6-260 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:

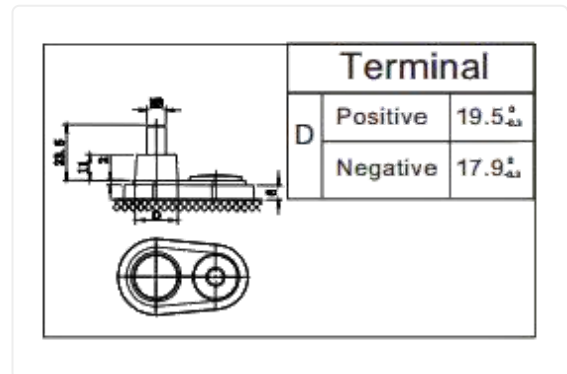
Length: 260 mm

Width: 280 mm

Height: 248 mm

Total Height: 279.5 mm

Weight: 22 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: 7.80-8.40V (-5mV/°C/cell)

Float use: 7.35-7.5V (-3mV/°C/cell)

Maximum Current: Do not exceed 90 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

ROS6-150 (6 V · 150 Ah) · [See all ROS series models](#)

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