

The industry standard. The perfect balance between service life and cost.

The RHP6-225 is a 6 V, 225 Ah (20-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 320 × 176 × 225 mm and weighs 32 kg, with F12 terminals. It stores 1.35 kWh and delivers up to 1000 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly RKE6-225.

Nominal Voltage	6 V
Capacity (25°C)	225 Ah (C20)
Energy	1350 Wh
Weight	32 kg
Terminal	F12
Dimensions	320 × 176 × 225 mm

MAIN ADVANTAGES

- ✓ **Service Life:** 10-12 years design life
- ✓ **Grid:** Heavy-duty Pb-Ca-Sn alloy grids
- ✓ **Reliability:** Consistent performance in critical backup
- ✓ **Efficiency:** High gas recombination efficiency

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

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	336A	304A	280A	199A	115A	58.1A	39A	21.9A	11.5A
5.40 V	393A	338A	308A	211A	121A	60.1A	39.9A	22.5A	11.8A
5.25 V	444A	372A	330A	221A	125A	61.2A	40.9A	23A	12A
5.10 V	511A	400A	355A	228A	127A	62.3A	41.4A	23.3A	12.3A
5.01 V	572A	441A	376A	237A	130A	63A	41.8A	23.6A	12.6A
4.80 V	642A	478A	399A	248A	134A	63.8A	42.3A	23.9A	12.8A

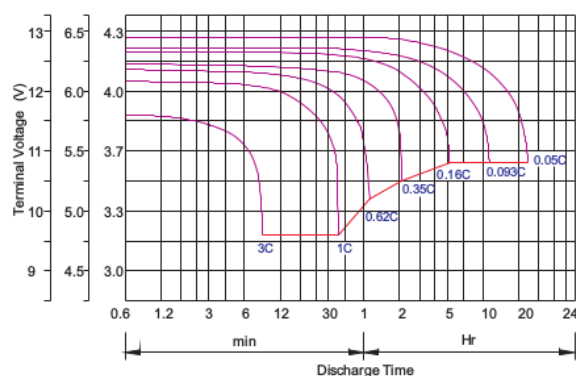
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
5.55 V	633W	770W	536W	383W	252W	114W	77.1W	43.8W	23.2W
5.40 V	727W	798W	592W	402W	261W	117W	78.4W	44.7W	23.6W
5.25 V	812W	810W	638W	416W	267W	118W	79.6W	45.2W	23.9W
5.10 V	922W	825W	679W	428W	270W	119W	80W	45.5W	24.2W
5.01 V	1020W	849W	710W	441W	275W	120W	80.2W	45.8W	24.5W
4.80 V	1129W	859W	757W	459W	281W	120W	80.6W	46.1W	24.9W

CHARGE CHARACTERISTICS



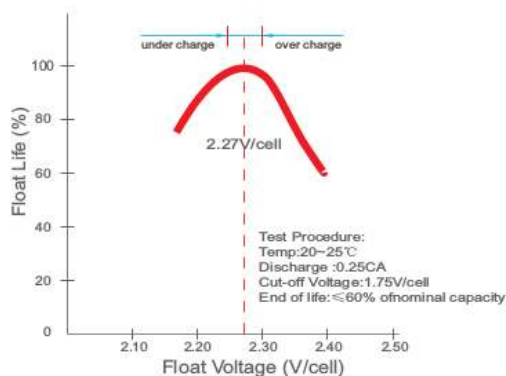
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	6 V
Capacity (25°C)	225 Ah (C20)
Energy	1350 Wh
Cell number	3
Charge Voltage (25°C)	Cycle use: 7.2-7.4V (-30mV/C), max. Current 2.1A Float use: 6.8-6.9V (-20mV/C)
Max. Charge Current	67.5 A
Max. Discharge Current	1000 A
Internal Resistance	29 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
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 RHP6-225 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:

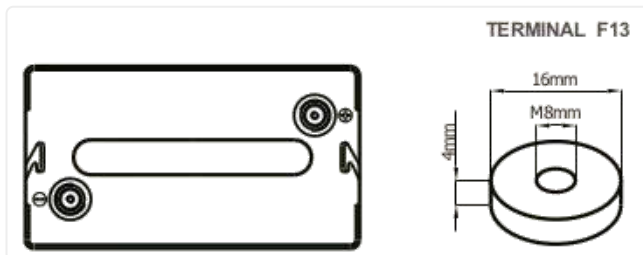
Length: 320 mm

Width: 176 mm

Height: 225 mm

Total Height: 229 mm

Weight: 32 kg



2. TERMINAL CONFIGURATION (F12)

Terminals: Ensure your system's connectors match the F12 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: 7.2-7.4V (-30mV/C), max. Current 2.1A

Float use: 6.8-6.9V (-20mV/C)

Maximum Current: Do not exceed 67.5 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed AGM technology, maintenance-free and leak-proof.

Position: Can be installed in any orientation, except inverted.

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

NEARBY MODELS

RHP6-200 (6 V · 200 Ah) · [See all RHP series models](#)

Specialized Technical Support
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