

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

The RHP12-150 is a 12 V, 150 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 485 × 172 × 240 mm and weighs 44 kg, with F12 terminals. It stores 1.8 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 **RKE12-150**.

Nominal Voltage	12 V
Capacity (25°C)	150 Ah (C10)
Energy	1800 Wh
Weight	44 kg
Terminal	F12
Dimensions	485 × 172 × 240 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)

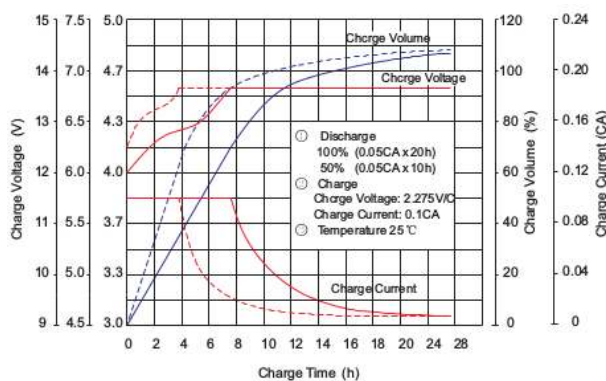
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	236A	211A	193A	135A	87.4A	38.8A	26A	14.6A	7.69A
10.80 V	276A	235A	211A	143A	91.4A	40.1A	26.6A	15A	7.87A
10.50 V	312A	258A	227A	150A	94.5A	40.9A	27.3A	15.3A	8.03A
10.20 V	358A	278A	244A	155A	96.4A	41.5A	26.7A	15.5A	8.18A
10.02 V	402A	306A	258A	161A	98.7A	42A	27.8A	15.7A	8.37A
9.60 V	450A	332A	274A	169A	101A	42.5A	28.2A	15.9A	8.57A

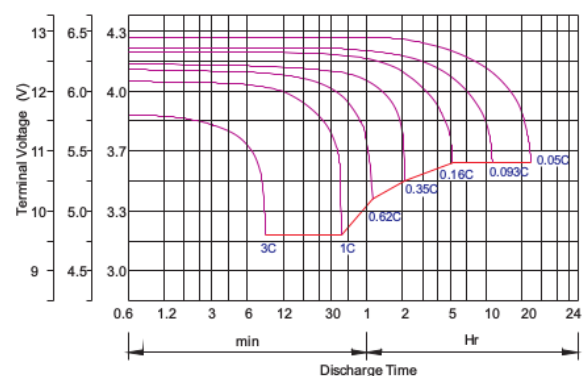
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	444W	402W	368W	260W	170W	76.1W	51.4W	29.2W	15.5W
10.80 V	510W	441W	400W	273W	175W	78W	52.2W	29.8W	15.7W
10.50 V	570W	479W	425W	283W	180W	78.8W	53.1W	30.2W	15.9W
10.20 V	647W	510W	453W	291W	182W	79.4W	53.3W	30.4W	16.1W
10.02 V	716W	556W	475W	300W	185W	79.8W	53.5W	30.5W	16.4W
9.60 V	792W	597W	500W	312W	189W	80.2W	53.7W	30.7W	16.6W

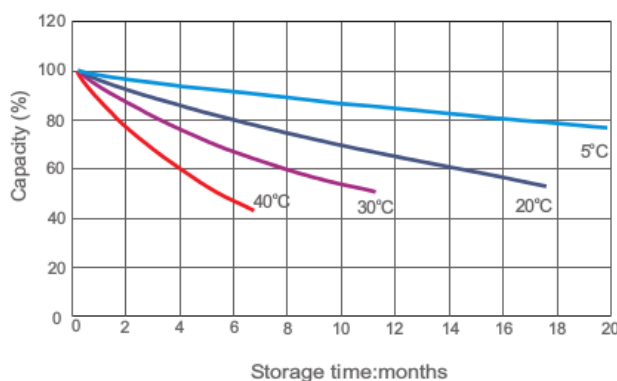
CHARGE CHARACTERISTICS



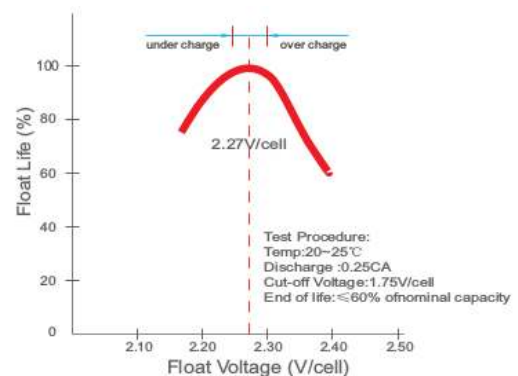
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	150 Ah (C10), 157.4 Ah (C20)
Energy	1800 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	45 A
Max. Discharge Current	1000 A
Internal Resistance	25 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 RHP12-150** 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:

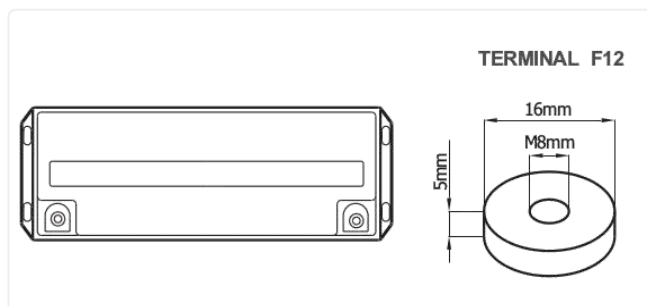
Length: 485 mm

Width: 172 mm

Height: 240 mm

Total Height: 240 mm

Weight: 44 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: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

Maximum Current: Do not exceed 45 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

RHP12-135 (12 V · 135 Ah) · **RHP12-160** (12 V · 160 Ah) · [See all RHP series models](#)

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