

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

The RHP12-160 is a 12 V, 160 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 522 × 238 × 218 mm and weighs 47.1 kg, with F13 terminals. It stores 1.92 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 **RKE12-160**.

Nominal Voltage	12 V
Capacity (25°C)	160 Ah (C10)
Energy	1920 Wh
Weight	47.1 kg
Terminal	F13
Dimensions	522 × 238 × 218 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	252A	226A	205A	144A	93A	41.3A	27.7A	15.6A	8.2A
10.80 V	294A	251A	226A	153A	98A	42.8A	28.4A	16A	8.4A
10.50 V	332A	276A	242A	160A	100A	43.6A	29.1A	16.4A	8.6A
10.20 V	382A	297A	260A	165A	103A	44.3A	29.4A	16.5A	8.7A
10.02 V	428A	326A	276A	172A	105A	44.8A	29.7A	16.7A	8.9A
9.60 V	480A	354A	292A	180A	108A	45.3A	30.1A	17A	9.2A

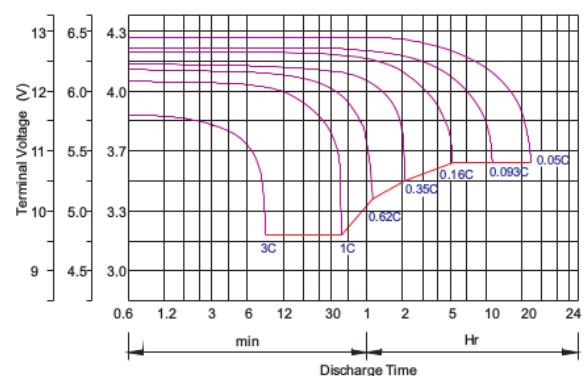
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	474W	428W	393W	278W	180W	81.2W	54.8W	31.1W	16.4W
10.80 V	544W	470W	427W	292W	188W	83.2W	55.7W	31.8W	16.8W
10.50 V	608W	511W	453W	302W	192W	84.1W	56.6W	32.2W	17W
10.20 V	690W	544W	483W	310W	195W	84.7W	56.9W	32.4W	17.2W
10.02 V	764W	593W	507W	320W	197W	85.2W	57W	32.5W	17.4W
9.60 V	845W	636W	533W	333W	202W	85.6W	57.3W	32.8W	17.7W

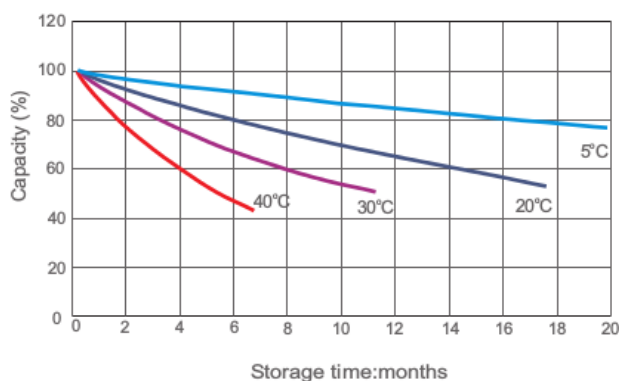
CHARGE CHARACTERISTICS



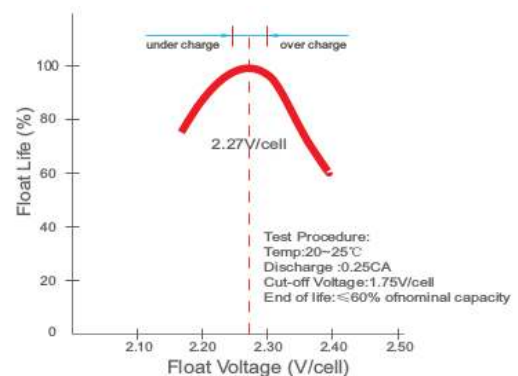
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	160 Ah (C10), 168 Ah (C20)
Energy	1920 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	32 A
Max. Discharge Current	1000 A
Internal Resistance	35 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 RHP12-160** 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:

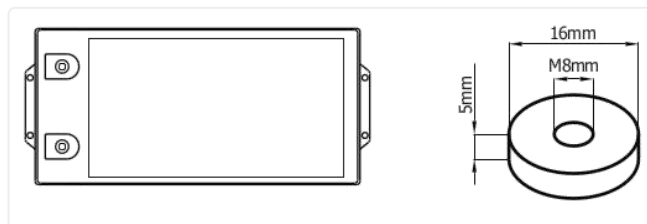
Length: 522 mm

Width: 238 mm

Height: 218 mm

Total Height: 222 mm

Weight: 47.1 kg



2. TERMINAL CONFIGURATION (F13)

Terminals: Ensure your system's connectors match the F13 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 32 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

RHP12-150 (12 V · 150 Ah) · **RHP12-200** (12 V · 200 Ah) · [See all RHP series models](#)

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