

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

The RHP12-110 is a 12 V, 110 Ah (10-hour rate) AGM lead-acid battery from the Rekoser High Performance (AGM) series. It measures 395 × 110 × 285 mm and weighs 32.5 kg, with F14 terminals. It stores 1.32 kWh and delivers up to 800 A. The industry standard. The perfect balance between service life and cost. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-110**.

Nominal Voltage	12 V
Capacity (25°C)	110 Ah (C10)
Energy	1320 Wh
Weight	32.5 kg
Terminal	F14
Dimensions	395 × 110 × 285 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)

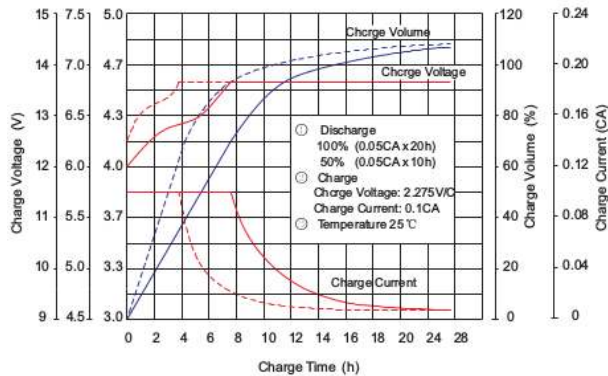
Constant Discharge Ratings (A) at 25°C

F.V / Time	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
9.60 V	178A	108A	68.2A	28.1A	19.6A	11.2A	5.88A
10.02 V	174A	106A	67.2A	27.9A	19.5A	11.2A	5.87A
10.20 V	167A	102A	65.5A	27.7A	19.4A	11.1A	5.85A
10.50 V	162A	99.9A	64.2A	27.5A	19.3A	11.1A	5.82A
10.80 V	153A	96.3A	62.2A	26.7A	18.7A	11A	5.78A

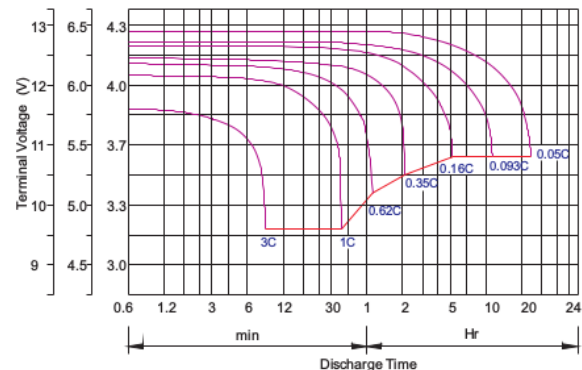
Constant Discharge Ratings (W) at 25°C

F.V / Time	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
9.60 V	1953W	1210W	777W	330W	232W	134W	70.5W
10.02 V	1906W	1185W	776W	328W	231W	133W	70.4W
10.20 V	1836W	1149W	746W	326W	229W	133W	70.2W
10.50 V	1773W	1121W	732W	323W	228W	132W	69.8W
10.80 V	1680W	1080W	709W	314W	221W	131W	69.3W

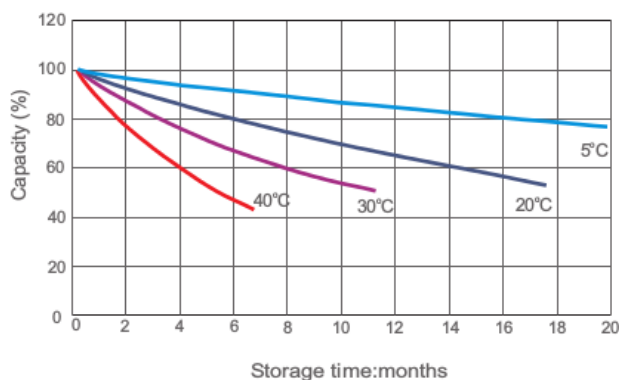
CHARGE CHARACTERISTICS



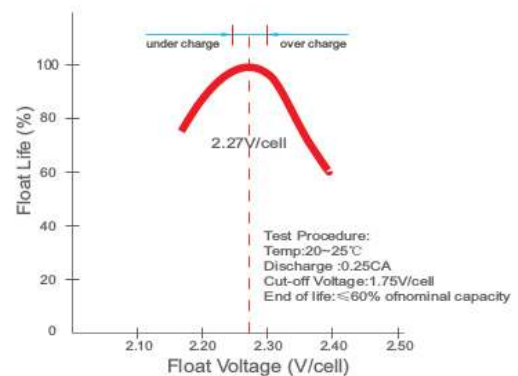
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	110 Ah (C10), 105 Ah (C20)
Energy	1320 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	30 A
Max. Discharge Current	800 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 RHP12-110** 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: 395 mm

Width: 110 mm

Height: 285 mm

Total Height: 285 mm

Weight: 32.5 kg

2. TERMINAL CONFIGURATION (F14)

Terminals: Ensure your system's connectors match the F14 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 30 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

RHP12-100 (12 V · 100 Ah) · **RHP12-120** (12 V · 120 Ah) · [See all RHP series models](#)

The same battery in other series: **RFT12-110** (RFT Series – Front Terminal (AGM))

Specialized Technical Support

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