

Maximum AGM longevity (2V). Critical infrastructure.

The RXL2-1500 is a 2 V, 1500 Ah (20-hour rate) AGM lead-acid battery from the Rekoser eXtended Long Life (AGM 2V) series. It measures 400 × 350 × 345 mm and weighs 93 kg, with F10 terminals. It stores 3 kWh and delivers up to 6000 A. Maximum AGM longevity (2V). Critical infrastructure. Typical applications: Railway Signaling and Infrastructure, Power Generation and UPS and Data Centers.

Formerly **RKE2-1500**.

Nominal Voltage	2 V
Capacity (25°C)	1500 Ah (C20)
Energy	3000 Wh
Weight	93 kg
Terminal	F10
Dimensions	400 × 350 × 345 mm

MAIN ADVANTAGES

- ✓ **Format:** 2V single cells for modular configuration
- ✓ **Design Life:** 20 years ultra-long life
- ✓ **Construction:** Thick plates for extended service
- ✓ **Stability:** Excellent performance in floating use

15
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



**RAILWAY SIGNALING AND
INFRASTRUCTURE**



POWER GENERATION



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

GRAPHICS (25°C)

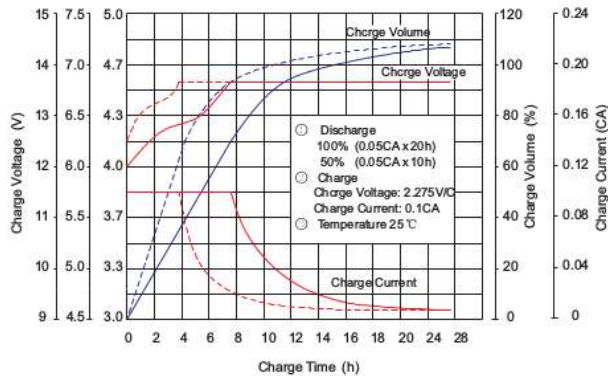
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.60 V	1350A	900A	390A	272A	153A	80.2A
1.65 V	1323A	887A	388A	271A	152A	80A
1.70 V	1283A	864A	385A	269A	152A	79.8A
1.75 V	1251A	847A	383A	267A	151A	79.3A
1.80 V	1206A	821A	371A	259A	150A	78.8A

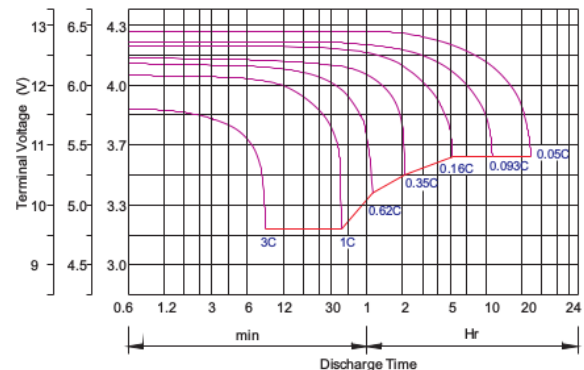
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.60 V	2525W	1710W	765W	537W	304W	160W
1.65 V	2474W	1684W	760W	533W	303W	160W
1.70 V	2398W	1642W	755W	530W	302W	160W
1.75 V	2340W	1609W	750W	526W	301W	159W
1.80 V	2254W	1560W	727W	510W	299W	158W

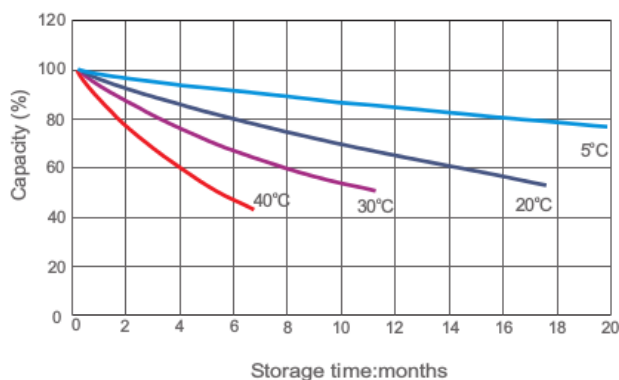
CHARGE CHARACTERISTICS



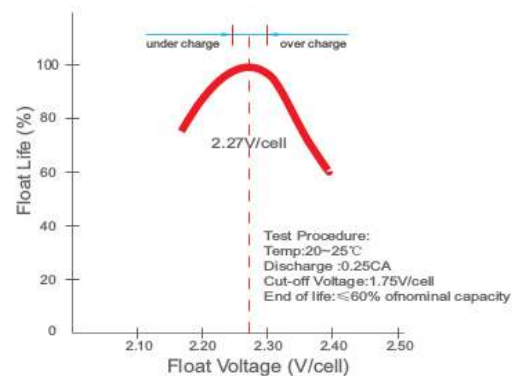
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	1500 Ah (C20)
Energy	3000 Wh
Cell number	1
Charge Voltage (25°C)	Cycle use: 2.35-2.40V (-5mV / oC/ cell) Float use: 2.25-2.29V (-3mV / oC/ cell)
Max. Charge Current	300 A
Max. Discharge Current	6000 A
Internal Resistance	20 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 RXL2-1500** 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:

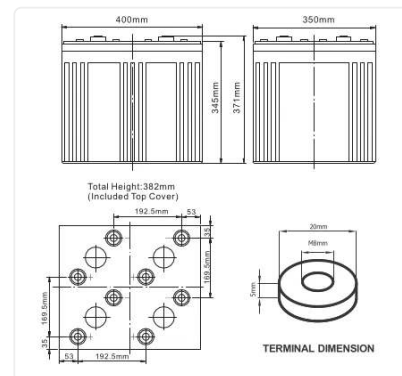
Length: 400 mm

Width: 350 mm

Height: 345 mm

Total Height: 382 mm

Weight: 93 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: 2.35-2.40V (-5mV / oC/ cell)

Float use: 2.25-2.29V (-3mV / oC/ cell)

Maximum Current: Do not exceed 300 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

RXL2-1200 (2 V · 1200 Ah) · **RXL2-2000** (2 V · 2000 Ah) · See all RXL series models

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