

Maximum AGM longevity (2V). Critical infrastructure.

The RXL2-100 is a 2 V, 100 Ah (20-hour rate) AGM lead-acid battery from the Rekoser eXtended Long Life (AGM 2V) series. It measures 171 × 72 × 206 mm and weighs 5.6 kg, with F10 terminals. It stores 200 Wh and delivers up to 500 A. Maximum AGM longevity (2V). Critical infrastructure. Typical applications: Railway Signaling and Infrastructure, Power Generation and UPS and Data Centers.

Formerly **RKE2-100**.

Nominal Voltage	2 V
Capacity (25°C)	100 Ah (C20)
Energy	200 Wh
Weight	5.6 kg
Terminal	F10
Dimensions	171 × 72 × 206 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)

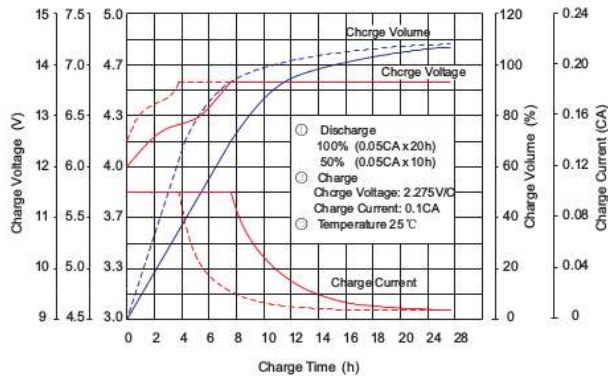
Constant Discharge Ratings (A) at 25°C

F.V / Time	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	116A	80.4A	54.7A	24.7A	17.3A	10A	5.25A
1.75 V	123A	83.4A	56.5A	25.5A	17.8A	10.1A	5.29A
1.70 V	127A	85.5A	57.6A	25.7A	17.9A	10.1A	5.32A
1.65 V	132A	88.2A	59.1A	25.9A	18A	10.2A	5.33A
1.60 V	135A	90A	60A	26A	18.2A	10.2A	5.34A

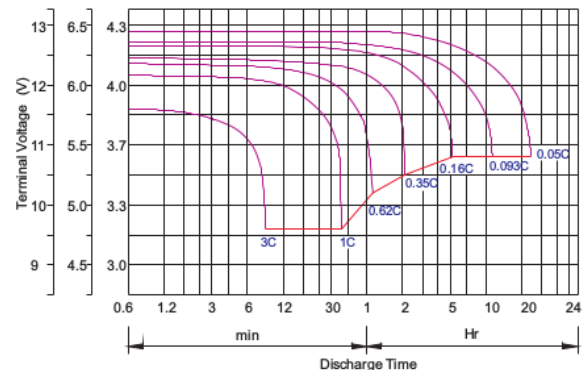
Constant Discharge Ratings (W) at 25°C

F.V / Time	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	212W	150W	104W	48.5W	34W	19.9W	10.5W
1.75 V	224W	156W	107W	50W	35.1W	20W	10.6W
1.70 V	232W	160W	109W	50.3W	35.3W	20.2W	10.6W
1.65 V	241W	165W	112W	50.7W	35.6W	20.2W	10.7W
1.60 V	247W	168W	114W	51W	35.8W	20.3W	10.7W

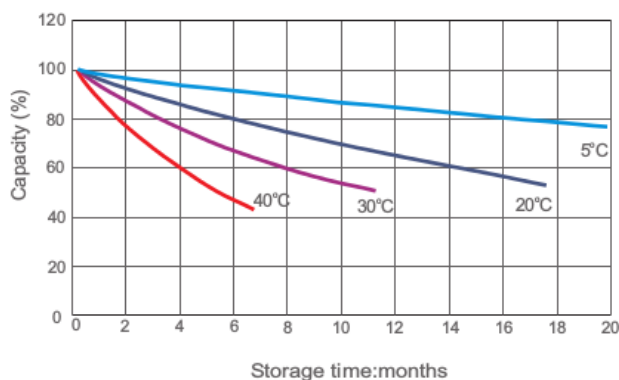
CHARGE CHARACTERISTICS



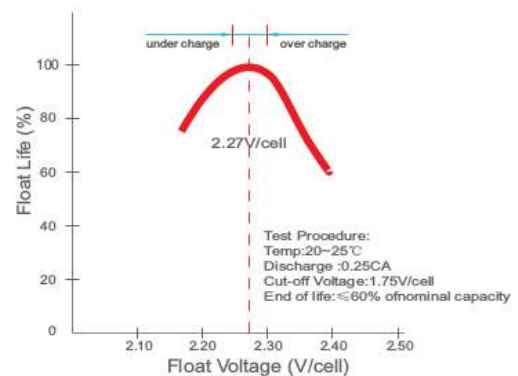
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	100 Ah (C20)
Energy	200 Wh
Cell number	1
Charge Voltage (25°C)	Cycle use: 2.35-2.40V (-5mV/C) Float use: 2.25-2.29V (-3mV/C)
Max. Charge Current	20 A
Max. Discharge Current	500 A
Internal Resistance	0.9 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 RXL2-100** 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:

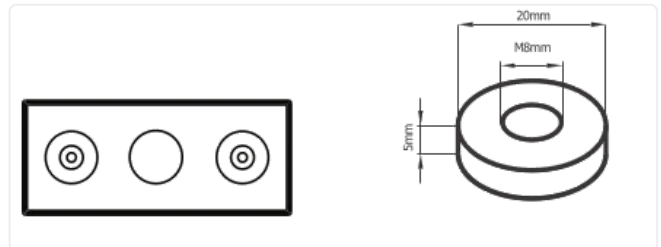
Length: 171 mm

Width: 72 mm

Height: 206 mm

Total Height: 211 mm

Weight: 5.6 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/C)

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

Maximum Current: Do not exceed 20 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

RXL2-200 (2 V · 200 Ah) · [See all RXL series models](#)

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