

Maximum AGM longevity (2V). Critical infrastructure.

The RXL2-600 is a 2 V, 600 Ah (10-hour rate) AGM lead-acid battery from the Rekoser eXtended Long Life (AGM 2V) series. It measures 302 × 175 × 330 mm and weighs 35.5 kg, with F10 terminals. It stores 1.2 kWh and delivers up to 3000 A. Maximum AGM longevity (2V). Critical infrastructure. Typical applications: Railway Signaling and Infrastructure, Power Generation and UPS and Data Centers.

Formerly **RKE2-600**.

Nominal Voltage	2 V
Capacity (25°C)	600 Ah (C10)
Energy	1200 Wh
Weight	35.5 kg
Terminal	F10
Dimensions	302 × 175 × 330 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)

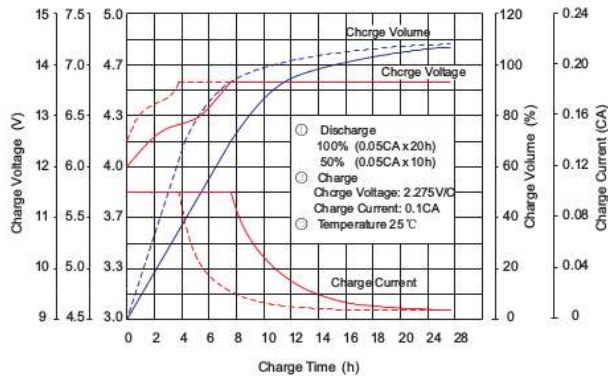
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	482A	328A	148A	104A	60A	31.5A
1.75 V	501A	339A	153A	107A	60.4A	31.7A
1.70 V	513A	346A	154A	108A	60.8A	31.9A
1.65 V	529A	355A	155A	108A	61A	32A
1.60 V	540A	360A	156A	109A	61.1A	32.1A

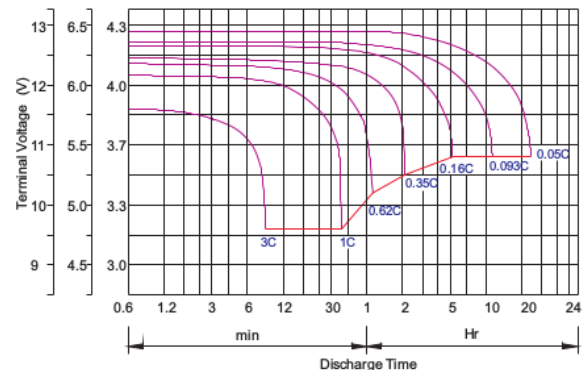
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	902W	624W	291W	204W	119W	63W
1.75 V	936W	644W	300W	210W	120W	63.4W
1.70 V	959W	657W	302W	212W	121W	63.8W
1.65 V	990W	674W	304W	213W	121W	64W
1.60 V	1010W	684W	306W	215W	122W	64.1W

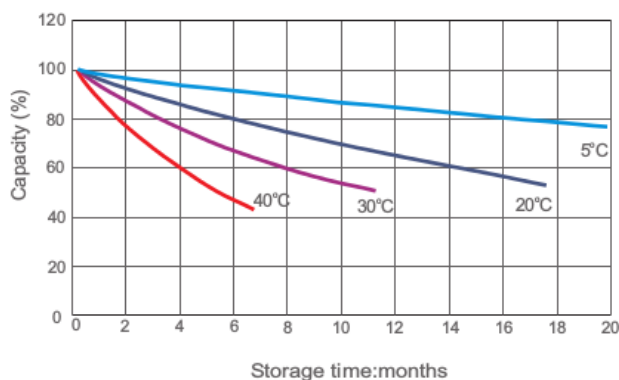
CHARGE CHARACTERISTICS



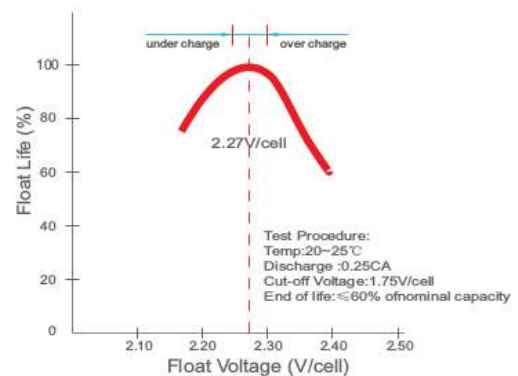
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	600 Ah (C10)
Energy	1200 Wh
Cell number	1
Charge Voltage (25°C)	Cycle use: 2.35-2.40V (-3mV/C), max. Current 2.1A Float use: 2.25-2.29V (-2mV/C)
Max. Charge Current	120 A
Max. Discharge Current	3000 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 RXL2-600** 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:

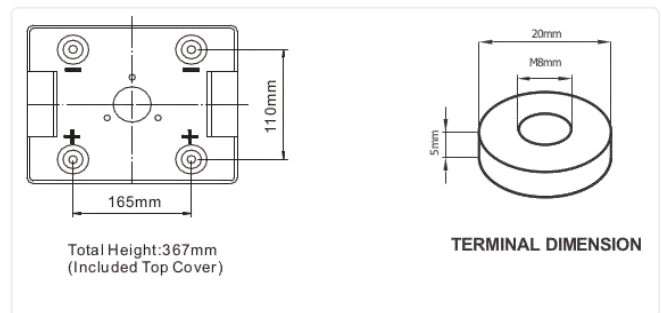
Length: 302 mm

Width: 175 mm

Height: 330 mm

Total Height: 367 mm

Weight: 35.5 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 (-3mV/C), max. Current 2.1A

Float use: 2.25-2.29V (-2mV/C)

Maximum Current: Do not exceed 120 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

RXL2-500 (2 V · 500 Ah) · **RXL2-700** (2 V · 700 Ah) · See all RXL series models

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