

Maximum AGM longevity (2V). Critical infrastructure.

The RXL2-350 is a 2 V, 350 Ah (10-hour rate) AGM lead-acid battery from the Rekoser eXtended Long Life (AGM 2V) series. It measures 210 × 176 × 330 mm and weighs 21 kg, with F10 terminals. It stores 700 Wh and delivers up to 1800 A. Maximum AGM longevity (2V). Critical infrastructure. Typical applications: Railway Signaling and Infrastructure, Power Generation and UPS and Data Centers.

Formerly **RKE2-350**.

Nominal Voltage	2 V
Capacity (25°C)	350 Ah (C10)
Energy	700 Wh
Weight	21 kg
Terminal	F10
Dimensions	210 × 176 × 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)

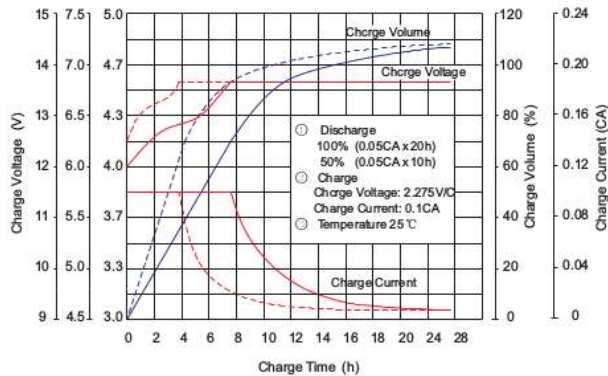
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	281A	191A	86.6A	60.4A	35A	18.4A
1.75 V	292A	197A	89.2A	62.3A	35.2A	18.5A
1.70 V	300A	202A	89.8A	62.8A	35.5A	18.7A
1.65 V	309A	206A	90.5A	63.1A	35.6A	18.7A
1.60 V	315A	210A	91A	63.6A	36.6A	18.7A

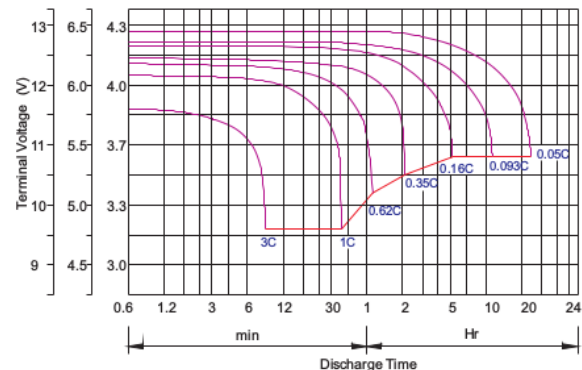
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	526W	364W	169W	119W	69.7W	36.7W
1.75 V	546W	376W	175W	122W	70.1W	37W
1.70 V	560W	383W	176W	124W	70.6W	37.2W
1.65 V	577W	393W	177W	125W	71W	37.3W
1.60 V	589W	399W	178W	125W	71W	37.4W

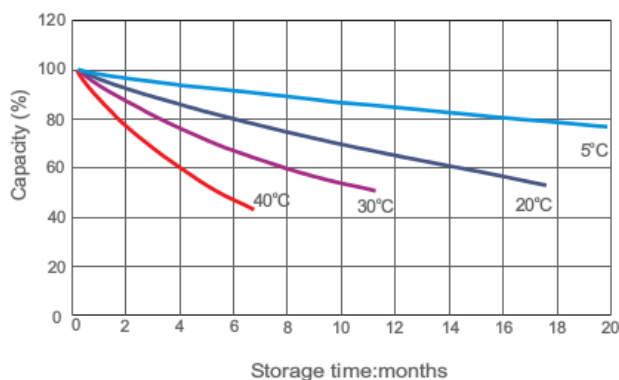
CHARGE CHARACTERISTICS



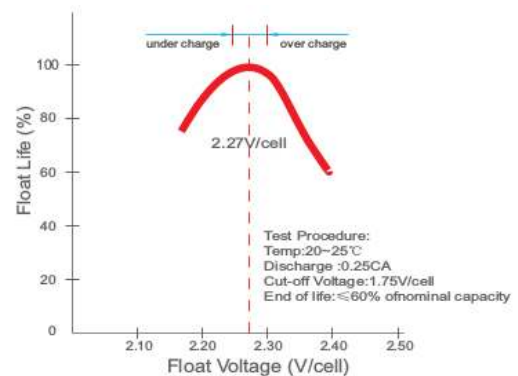
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	350 Ah (C10)
Energy	700 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	65 A
Max. Discharge Current	1800 A
Internal Resistance	0.75 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 RXL2-350** 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: 210 mm

Width: 176 mm

Height: 330 mm

Total Height: 367 mm

Weight: 21 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 65 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

RXL2-300 (2 V · 300 Ah) · **RXL2-400** (2 V · 400 Ah) · See all RXL series models

Specialized Technical Support
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