

Maximum AGM longevity (2V). Critical infrastructure.

The RXL2-400 is a 2 V, 400 Ah (10-hour rate) AGM lead-acid battery from the Rekoser eXtended Long Life (AGM 2V) series. It measures 210 × 175 × 330 mm and weighs 25.5 kg, with F10 terminals. It stores 800 Wh and delivers up to 2000 A. Maximum AGM longevity (2V). Critical infrastructure. Typical applications: Railway Signaling and Infrastructure, Power Generation and UPS and Data Centers.

Formerly **RKE2-400**.

Nominal Voltage	2 V
Capacity (25°C)	400 Ah (C10)
Energy	800 Wh
Weight	25.5 kg
Terminal	F10
Dimensions	210 × 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	2HR	3HR	4HR	5HR	8HR	10HR	20HR	24HR	
1.80V	321A	219A	138A	099A	79.5A	69.1A	59.4A	46.6A	40A	21A	18.2A
1.75V	334A	226A	142A	102A	82A	71.2A	61.2A	48A	40.3A	21.1A	18.3A
1.70V	342A	230A	144A	103A	82.6A	71.7A	61.6A	48.3A	40.5A	21.3A	18.4A
1.65V	353A	236A	145A	103A	83.1A	72.2A	62.1A	48.7A	40.6A	21.3A	18.5A
1.60V	360A	240A	146A	104A	83.6A	72.6A	62.4A	49A	40.7A	21.4A	18.5A

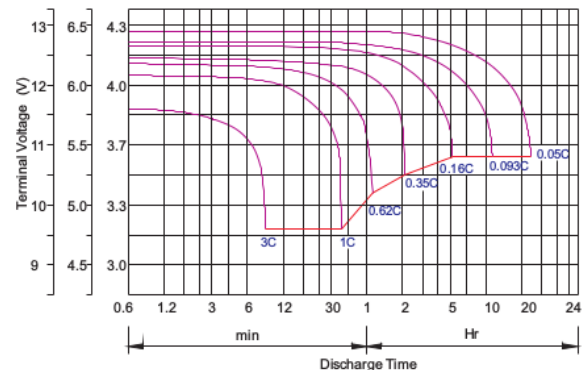
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR	24HR	
1.80V	601W	416W	267W	194W	156W	136W	117W	92.7W	79.6W	42W	36.6W
1.75V	624W	429W	274W	200W	161W	140W	121W	95.5W	80.2W	42.3W	36.8W
1.70V	640W	438W	278W	201W	162W	141W	121W	96.2W	80.6W	42.5W	37.1W
1.65V	660W	449W	280W	203W	163W	142W	122W	96.9W	80.9W	42.7W	37.2W
1.60V	673W	456W	282W	204W	164W	143W	123W	97.4W	81W	42.8W	37.2W

CHARGE CHARACTERISTICS



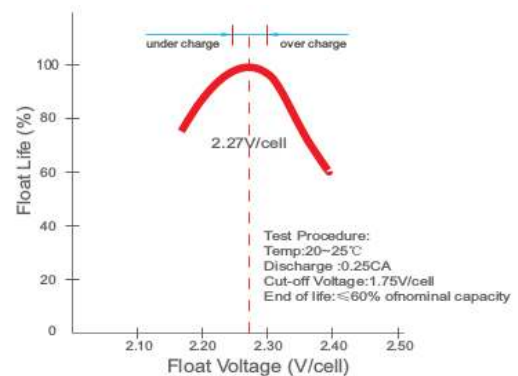
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	400 Ah (C10)
Energy	800 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	80 A
Max. Discharge Current	2000 A
Internal Resistance	0.6 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 RXL2-400** 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:

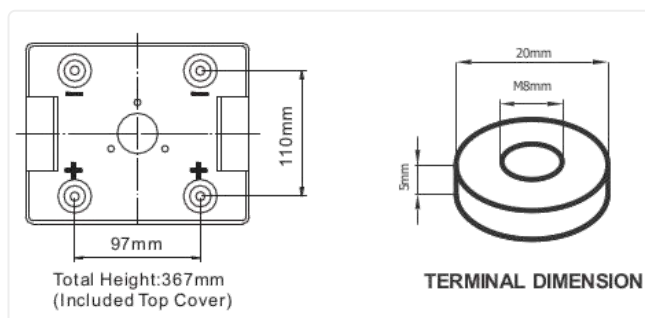
Length: 210 mm

Width: 175 mm

Height: 330 mm

Total Height: 367 mm

Weight: 25.5 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 80 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

RXL2-350 (2 V · 350 Ah) · **RXL2-500** (2 V · 500 Ah) · See all RXL series models

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