

RXL Series – eXtended Long Life (AGM 2V)

Maximum AGM longevity (2V). Critical infrastructure.

The RXL Series redefines durability in AGM technology for large infrastructure systems. Classified by EUROBAT as 'Very Long Life', these 2V cells achieve an extraordinary design life of 20 years. Its structure features heavy-duty thick plates and low-resistance separators that allow for exceptional recovery after deep discharges. This is a heavy-engineering product destined for electrical substations and mission-critical applications where replacement costs are high and the maximum longevity and operational safety available in lead technology are required.

MODELS 13	NOMINAL VOLTAGE 2 V	CAPACITY 100–2000 Ah	DESIGN LIFE 15 years
WARRANTY 2 years	EUROBAT >12 Years (Very Long Life)		

✓ Key features

- 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

⚙ Applications

- Railway Signaling and Infrastructure**
Uninterruptible power supply systems for traffic control, signaling, and safety in tunnels and railway infrastructures.
- Power Generation**
High-availability stationary backup in power plants and generation sites.
- UPS and Data Centers**

🔍 Standards and certifications

- CE CERTIFIED
- ISO 9001 / 14001
- GB/T19639
- IEC 61056
- JIS C8702

 RXL series models

Each model links to its datasheet with discharge tables, dimensions and charge parameters. Rated capacity at 25 °C; C20 = 20-hour rate.

Model	Nominal Voltage	Capacity	Length (mm)	Width (mm)	Height (mm)	Weight (kgs)	Terminal
RXL2-100 (formerly RKE2-100)	2 V	100 Ah (C20)	171	72	206	5.6	F10
RXL2-200 (formerly RKE2-200)	2 V	200 Ah (C20)	173	111	330	13	F10
RXL2-250 (formerly RKE2-250)	2 V	250 Ah (C10)	173	111	330	13	F10
RXL2-300 (formerly RKE2-300)	2 V	300 Ah (C10)	171	151	330	18	F10
RXL2-350 (formerly RKE2-350)	2 V	350 Ah (C10)	210	176	330	21	F10
RXL2-400 (formerly RKE2-400)	2 V	400 Ah (C10)	210	175	330	25.5	F10
RXL2-500 (formerly RKE2-500)	2 V	500 Ah (C10)	241	175	330	30	F10
RXL2-600 (formerly RKE2-600)	2 V	600 Ah (C10)	302	175	330	35.5	F10
RXL2-700 (formerly RKE2-700)	2 V	700 Ah (C10)	410	175	330	42	F10
RXL2-800 (formerly RKE2-800)	2 V	800 Ah (C10)	410	175	330	50	F10
RXL2-1200 (formerly RKE2-1200)	2 V	1200 Ah (C10)	475	175	330	66	F10
RXL2-1500 (formerly RKE2-1500)	2 V	1500 Ah (C20)	400	350	345	93	F10
RXL2-2000 (formerly RKE2-2000)	2 V	2000 Ah (C10)	490	350	345	120	F10

 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

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)

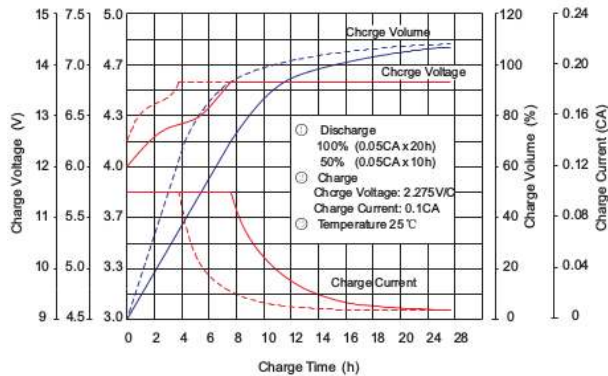
Constant Discharge Ratings (A) at 25°C

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

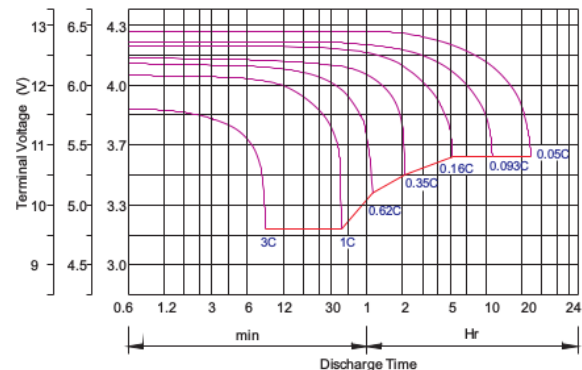
Constant Discharge Ratings (W) at 25°C

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

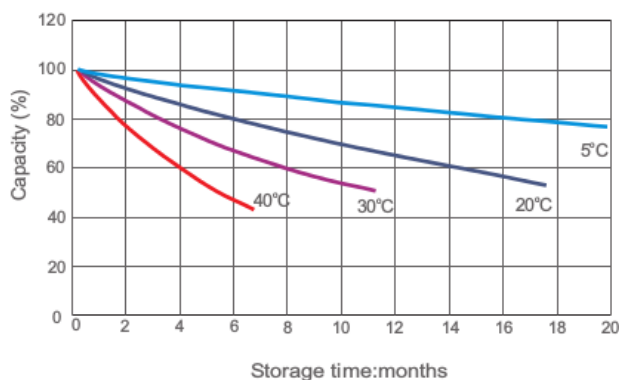
CHARGE CHARACTERISTICS



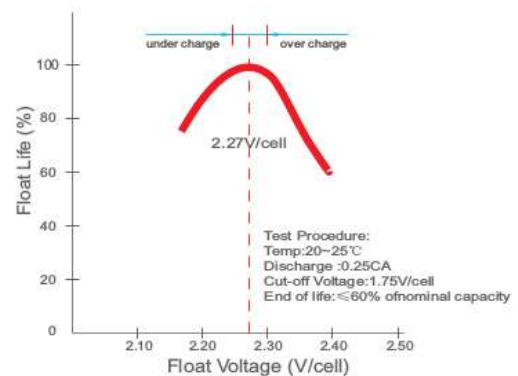
DISCHARGE CHARACTERISTIC 25oC



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:

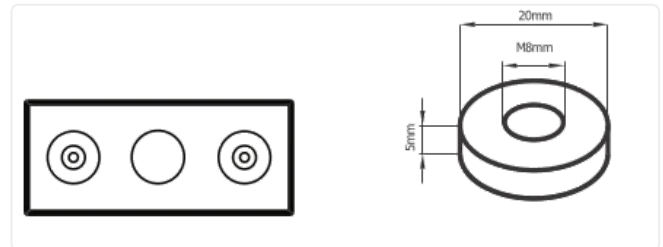
Length: 171 mm

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

Maximum AGM longevity (2V). Critical infrastructure.

The RXL2-200 is a 2 V, 200 Ah (20-hour rate) AGM lead-acid battery from the Rekoser eXtended Long Life (AGM 2V) series. It measures 173 × 111 × 330 mm and weighs 13 kg, with F10 terminals. It stores 400 Wh and delivers up to 1000 A. Maximum AGM longevity (2V). Critical infrastructure. Typical applications: Railway Signaling and Infrastructure, Power Generation and UPS and Data Centers.

Formerly **RKE2-200**.

Nominal Voltage	2 V
Capacity (25°C)	200 Ah (C20)
Energy	400 Wh
Weight	13 kg
Terminal	F10
Dimensions	173 × 111 × 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)

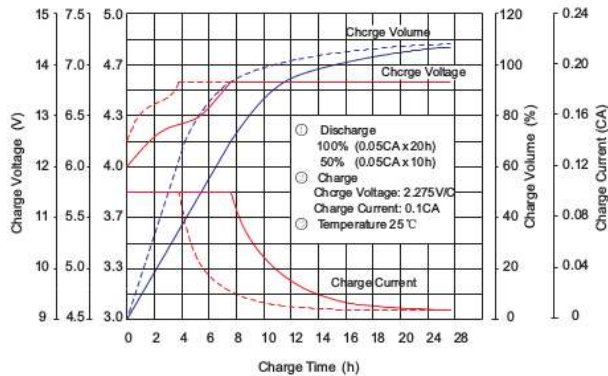
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	161A	109A	49.5A	34.5A	20A	10.5A
1.75 V	167A	113A	51A	35.6A	20.1A	10.6A
1.70 V	171A	115A	51.4A	35.8A	20.3A	10.6A
1.65 V	176A	118A	51.7A	36.1A	20.3A	10.7A
1.60 V	180A	120A	52A	36.3A	20.4A	10.7A

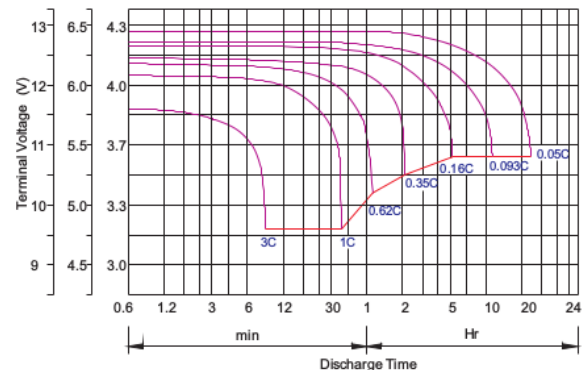
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	301W	208W	97W	68W	39.8W	21W
1.75 V	312W	215W	100W	70.1W	40.1W	21.1W
1.70 V	320W	219W	101W	70.6W	40.3W	21.3W
1.65 V	330W	225W	101W	71.1W	40.4W	21.3W
1.60 V	337W	228W	102W	71.5W	40.5W	21.4W

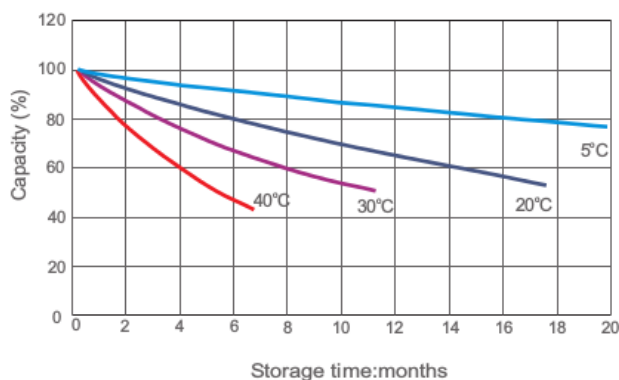
CHARGE CHARACTERISTICS



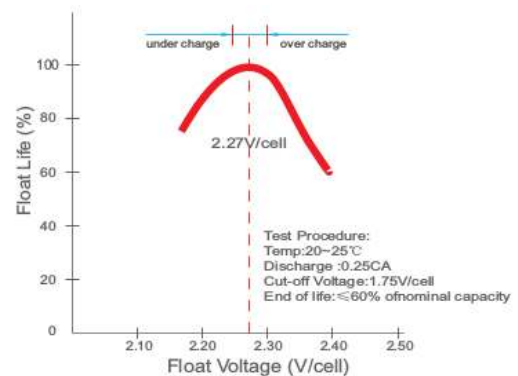
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	200 Ah (C20)
Energy	400 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	40 A
Max. Discharge Current	1000 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 RXL2-200** 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:

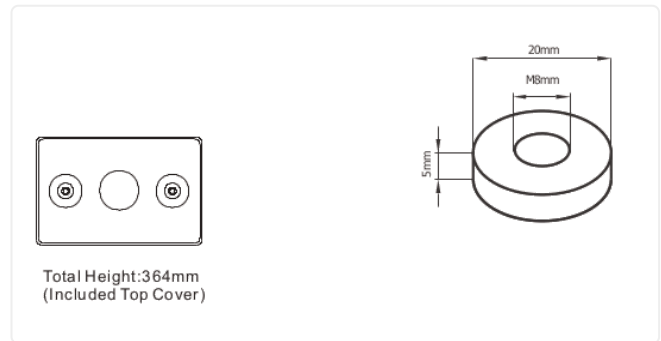
Length: 173 mm

Width: 111 mm

Height: 330 mm

Total Height: 364 mm

Weight: 13 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 40 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

RXL2-100 (2 V · 100 Ah) · **RXL2-250** (2 V · 250 Ah) · [See all RXL series models](#)

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

Maximum AGM longevity (2V). Critical infrastructure.

The RXL2-250 is a 2 V, 250 Ah (10-hour rate) AGM lead-acid battery from the Rekoser eXtended Long Life (AGM 2V) series. It measures 173 × 111 × 330 mm and weighs 13 kg, with F10 terminals. It stores 500 Wh and delivers up to 1000 A. Maximum AGM longevity (2V). Critical infrastructure. Typical applications: Railway Signaling and Infrastructure, Power Generation and UPS and Data Centers.

Formerly **RKE2-250**.

Nominal Voltage	2 V
Capacity (25°C)	250 Ah (C10)
Energy	500 Wh
Weight	13 kg
Terminal	F10
Dimensions	173 × 111 × 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)

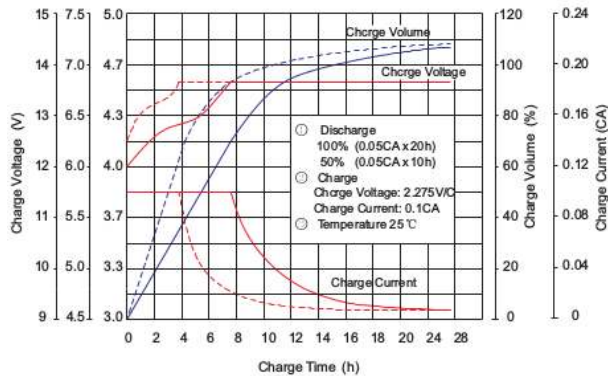
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	201A	137A	61.8A	43.2A	25A	13.1A
1.75 V	209A	144A	63.8A	44.5A	25.2A	13.2A
1.70 V	214A	144A	64.2A	44.8A	25.3A	13.3A
1.65 V	221A	148A	64.6A	45.1A	25.4A	13.3A
1.60 V	225A	150A	65A	45.4A	25.5A	13.4A

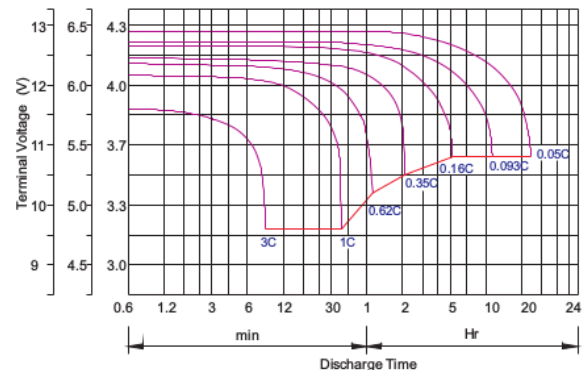
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	376W	260W	121W	85W	49.8W	26.3W
1.75 V	390W	268W	125W	87.7W	50.1W	26.4W
1.70 V	400W	274W	126W	88.3W	50.4W	26.6W
1.65 V	412W	281W	127W	88.9W	50.5W	26.7W
1.60 V	421W	285W	127W	89.4W	50.6W	26.7W

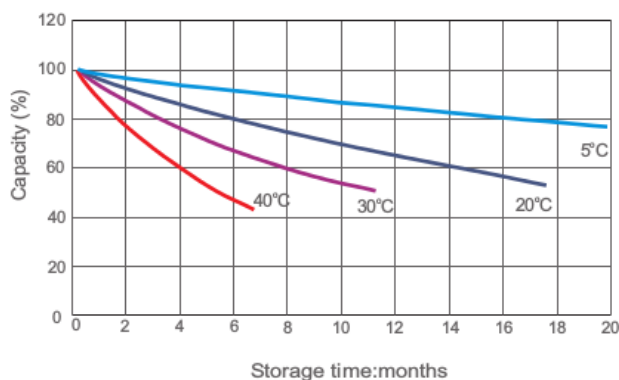
CHARGE CHARACTERISTICS



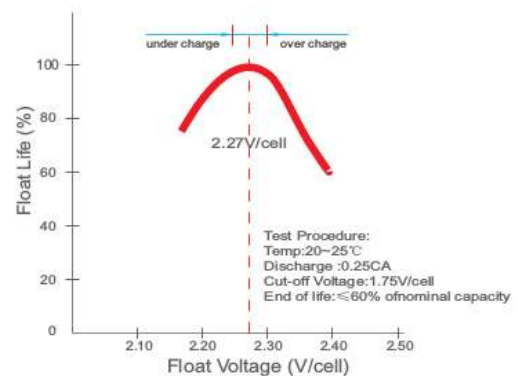
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	250 Ah (C10)
Energy	500 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	50 A
Max. Discharge Current	1000 A
Internal Resistance	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 RXL2-250** 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:

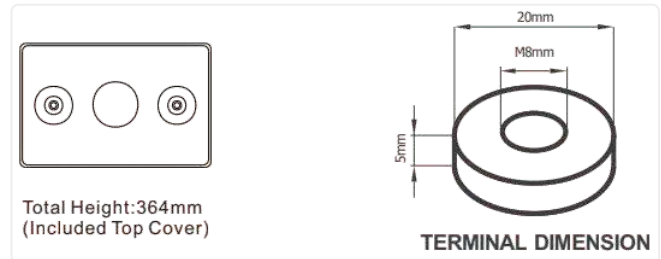
Length: 173 mm

Width: 111 mm

Height: 330 mm

Total Height: 364 mm

Weight: 13 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 50 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) · **RXL2-300** (2 V · 300 Ah) · See all RXL series models

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

Maximum AGM longevity (2V). Critical infrastructure.

The RXL2-300 is a 2 V, 300 Ah (10-hour rate) AGM lead-acid battery from the Rekoser eXtended Long Life (AGM 2V) series. It measures 171 × 151 × 330 mm and weighs 18 kg, with F10 terminals. It stores 600 Wh and delivers up to 1500 A. Maximum AGM longevity (2V). Critical infrastructure. Typical applications: Railway Signaling and Infrastructure, Power Generation and UPS and Data Centers.

Formerly **RKE2-300**.

Nominal Voltage	2 V
Capacity (25°C)	300 Ah (C10)
Energy	600 Wh
Weight	18 kg
Terminal	F10
Dimensions	171 × 151 × 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)

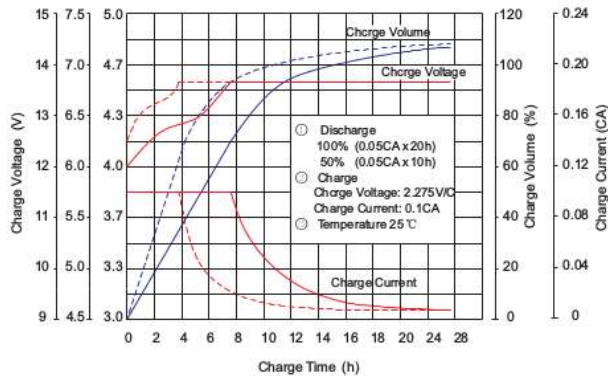
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	241A	164A	74.2A	51.8A	30A	15.8A
1.75 V	250A	169A	76.5A	53.4A	30.2A	15.9A
1.70 V	257A	173A	77A	53.8A	30.4A	16A
1.65 V	265A	177A	77.6A	54.1A	30.5A	16A
1.60 V	270A	180A	78A	54.5A	30.5A	16A

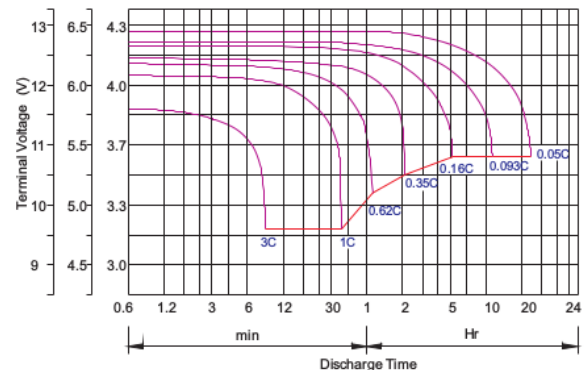
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	451W	312W	145W	102W	59.7W	31.5W
1.75 V	468W	322W	150W	105W	60.1W	31.7W
1.70 V	480W	328W	151W	106W	60.5W	31.9W
1.65 V	495W	337W	152W	107W	60.7W	32W
1.60 V	505W	342W	153W	107W	60.8W	32.1W

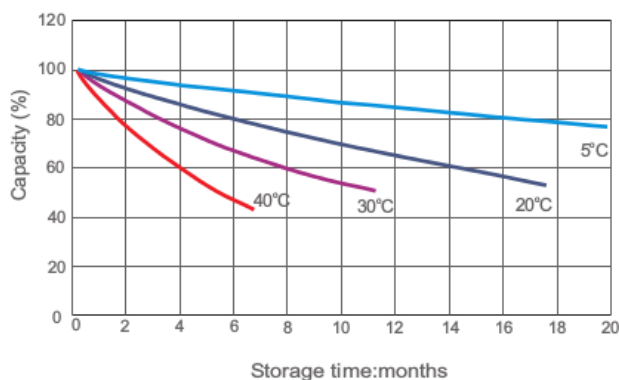
CHARGE CHARACTERISTICS



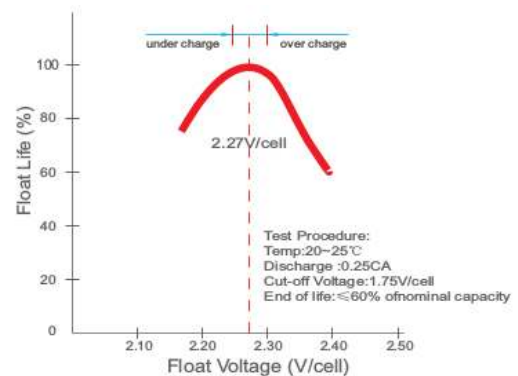
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	300 Ah (C10)
Energy	600 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	60 A
Max. Discharge Current	1500 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 RXL2-300** 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:

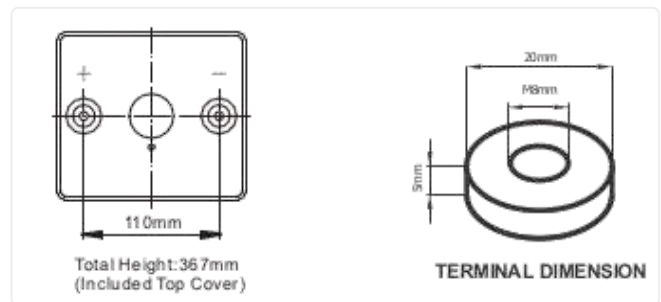
Length: 171 mm

Width: 151 mm

Height: 330 mm

Total Height: 364 mm

Weight: 18 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 60 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

RXL2-250 (2 V · 250 Ah) · **RXL2-350** (2 V · 350 Ah) · See all RXL series models

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

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)

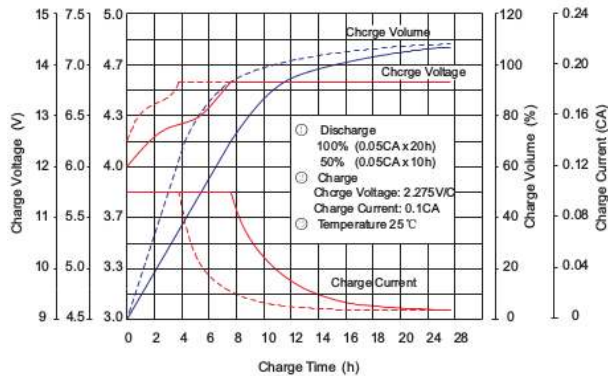
Constant Discharge Ratings (A) at 25°C

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

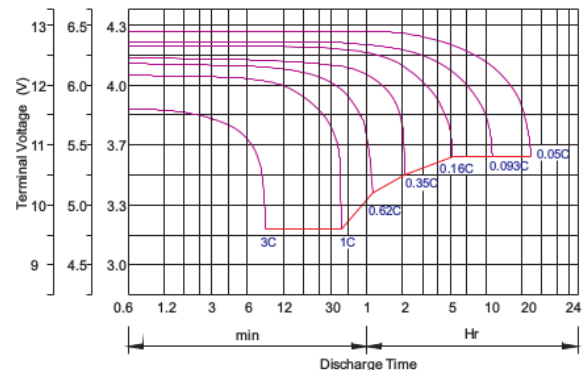
Constant Discharge Ratings (W) at 25°C

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

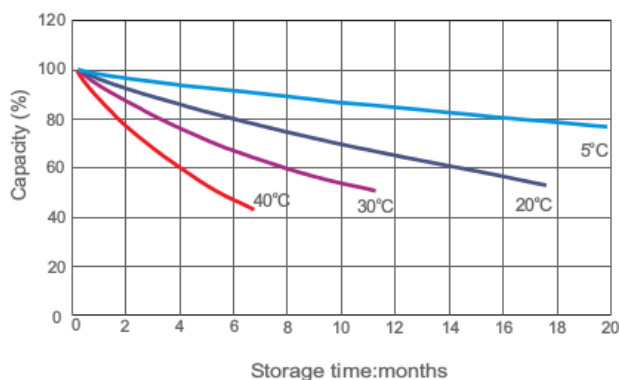
CHARGE CHARACTERISTICS



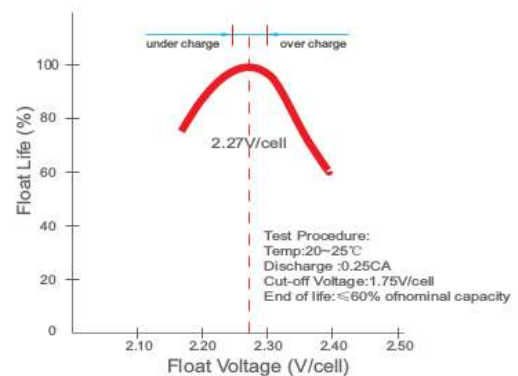
DISCHARGE CHARACTERISTIC 25oC



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

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)

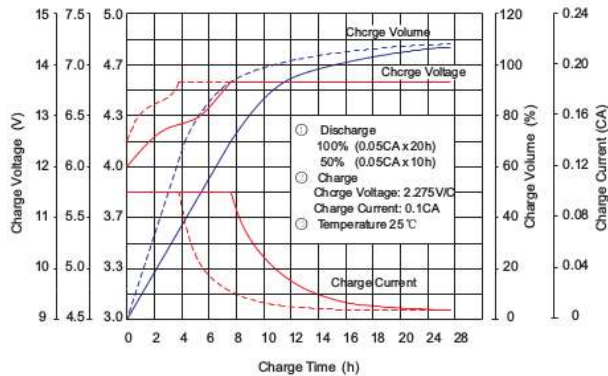
Constant Discharge Ratings (A) at 25°C

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

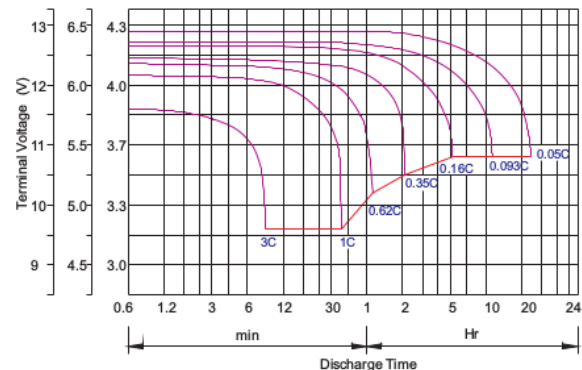
Constant Discharge Ratings (W) at 25°C

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

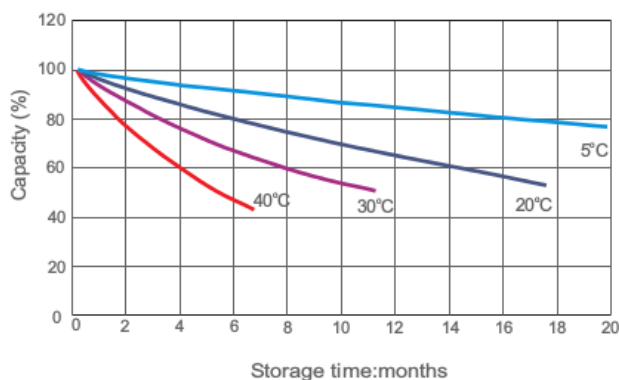
CHARGE CHARACTERISTICS



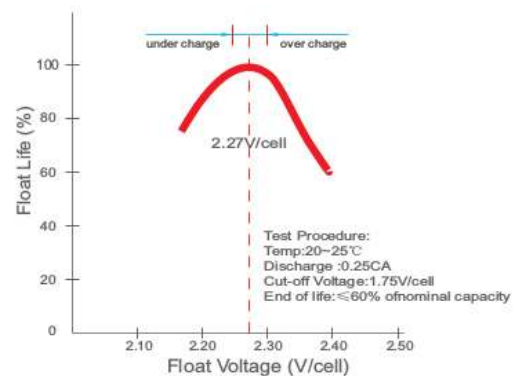
DISCHARGE CHARACTERISTIC 25oC



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:

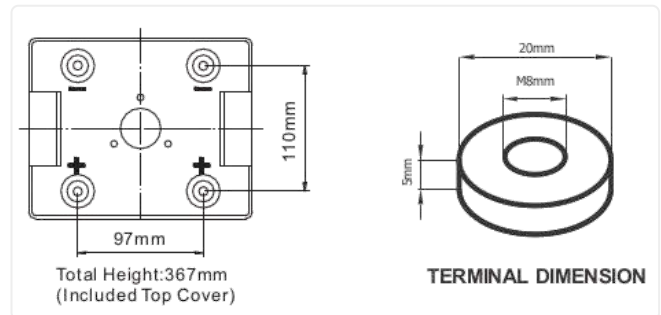
Length: 210 mm

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

Maximum AGM longevity (2V). Critical infrastructure.

The RXL2-500 is a 2 V, 500 Ah (10-hour rate) AGM lead-acid battery from the Rekoser eXtended Long Life (AGM 2V) series. It measures 241 × 175 × 330 mm and weighs 30 kg, with F10 terminals. It stores 1 kWh and delivers up to 2500 A. Maximum AGM longevity (2V). Critical infrastructure. Typical applications: Railway Signaling and Infrastructure, Power Generation and UPS and Data Centers.

Formerly **RKE2-500**.

Nominal Voltage	2 V
Capacity (25°C)	500 Ah (C10)
Energy	1000 Wh
Weight	30 kg
Terminal	F10
Dimensions	241 × 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)

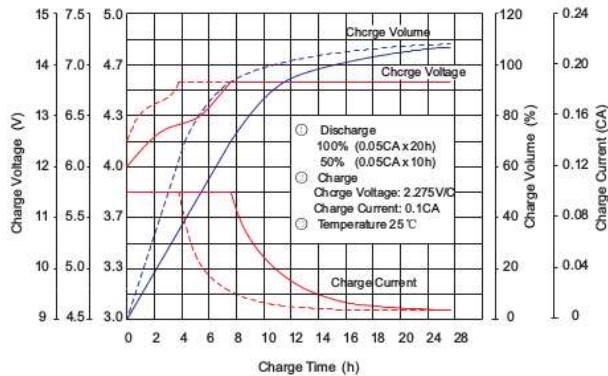
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	402A	274A	124A	86.3A	50A	26.3A
1.75 V	417A	282A	128A	89A	50.4A	26.4A
1.70 V	428A	288A	128A	89.6A	50.7A	26.6A
1.65 V	441A	296A	129A	90.2A	50.8A	26.7A
1.60 V	450A	300A	130A	90.8A	50.9A	26.7A

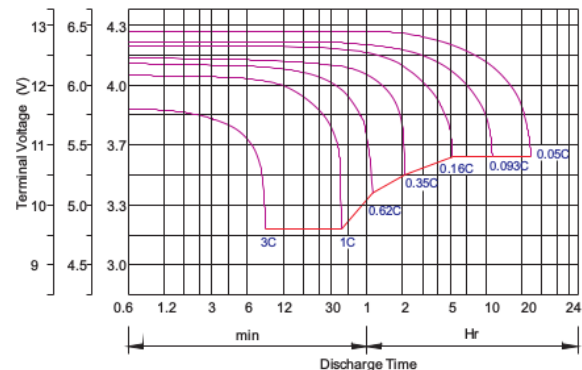
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	751W	520W	242W	170W	99.5W	52.5W
1.75 V	780W	536W	250W	175W	100W	52.9W
1.70 V	799W	547W	252W	177W	101W	53.2W
1.65 V	825W	561W	253W	178W	101W	53.3W
1.60 V	842W	570W	255W	179W	101W	53.4W

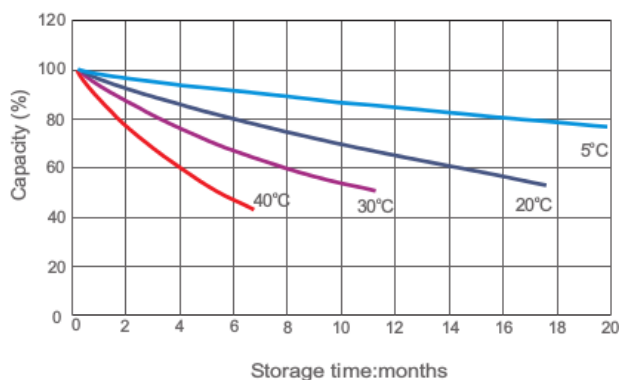
CHARGE CHARACTERISTICS



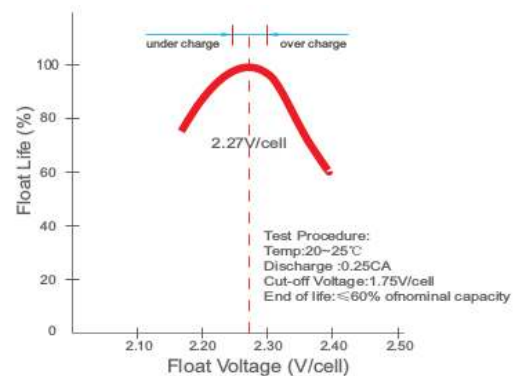
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	500 Ah (C10)
Energy	1000 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	100 A
Max. Discharge Current	2500 A
Internal Resistance	0.5 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 RXL2-500** 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:

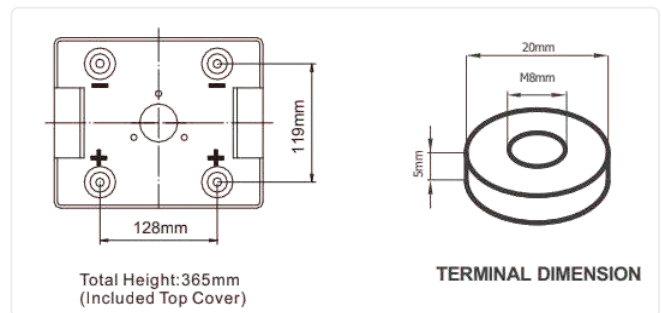
Length: 241 mm

Width: 175 mm

Height: 330 mm

Total Height: 365 mm

Weight: 30 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 100 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

RXL2-400 (2 V · 400 Ah) · **RXL2-600** (2 V · 600 Ah) · See all RXL series models

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

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)

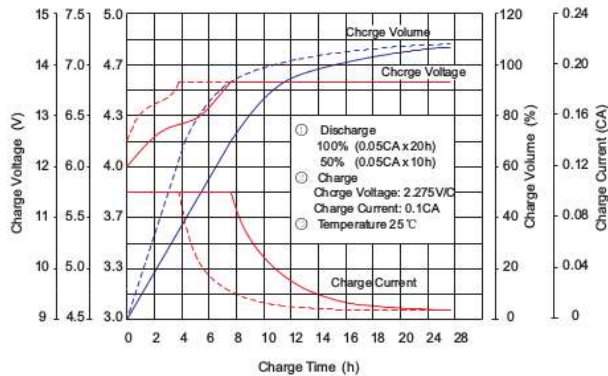
Constant Discharge Ratings (A) at 25°C

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

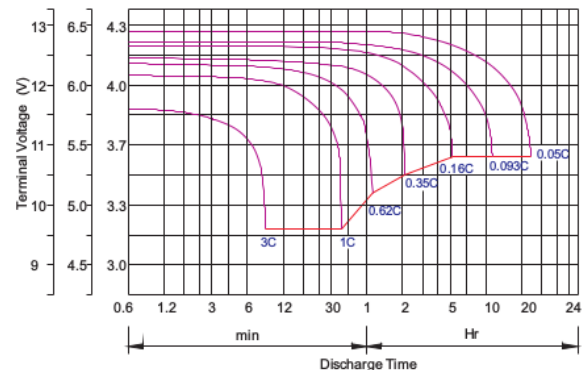
Constant Discharge Ratings (W) at 25°C

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

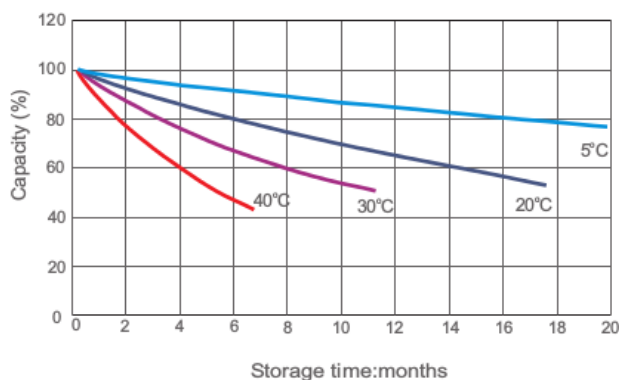
CHARGE CHARACTERISTICS



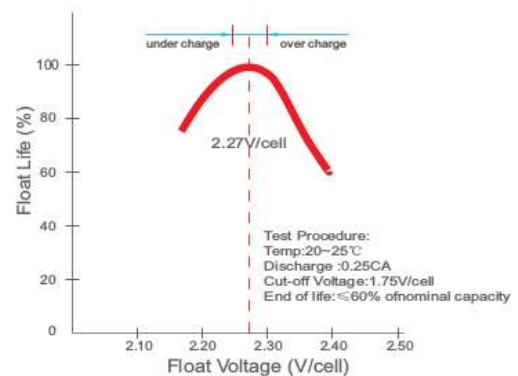
DISCHARGE CHARACTERISTIC 25oC



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:

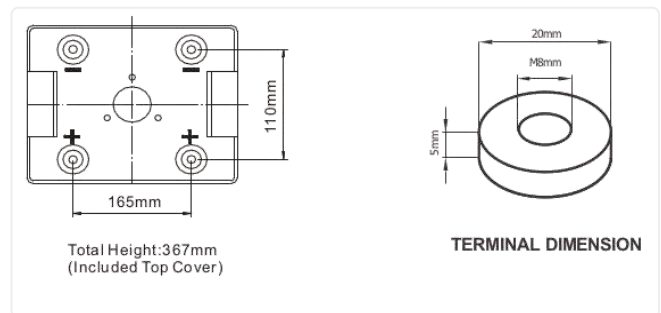
Length: 302 mm

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

Maximum AGM longevity (2V). Critical infrastructure.

The RXL2-700 is a 2 V, 700 Ah (10-hour rate) AGM lead-acid battery from the Rekoser eXtended Long Life (AGM 2V) series. It measures 410 × 175 × 330 mm and weighs 42 kg, with F10 terminals. It stores 1.4 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 **RKE2-700**.

Nominal Voltage	2 V
Capacity (25°C)	700 Ah (C10)
Energy	1400 Wh
Weight	42 kg
Terminal	F10
Dimensions	410 × 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)

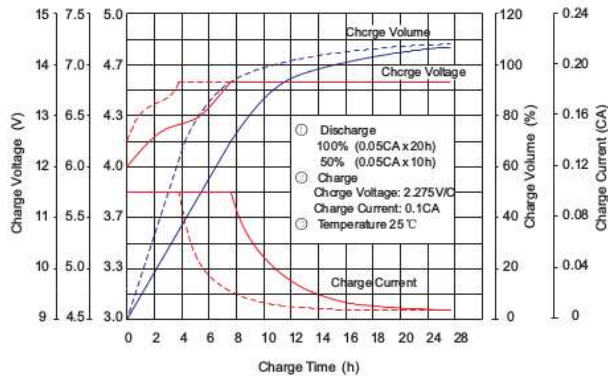
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	563A	383A	173A	121A	70A	36.8A
1.75 V	584A	396A	179A	124A	70.5A	37A
1.70 V	599A	403A	179A	125A	70.9A	37.2A
1.65 V	618A	414A	181A	126A	71.1A	37.4A
1.60 V	630A	420A	182A	127A	71.2A	37.5A

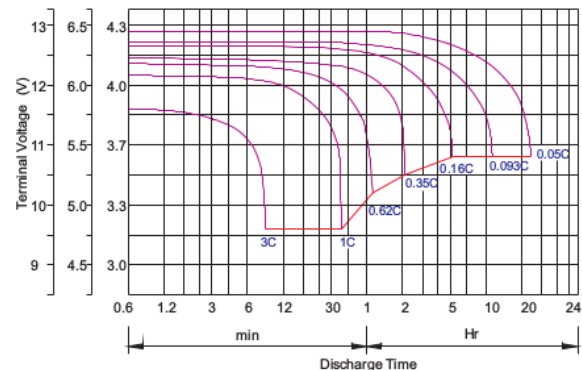
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	1052W	728W	340W	238W	139W	73.5W
1.75 V	1092W	751W	350W	245W	140W	74W
1.70 V	1119W	767W	353W	247W	141W	74.5W
1.65 V	1154W	786W	354W	249W	142W	74.6W
1.60 V	1178W	798W	357W	250W	142W	74.8W

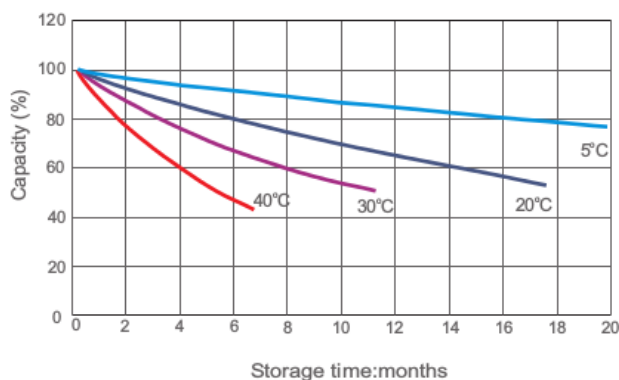
CHARGE CHARACTERISTICS



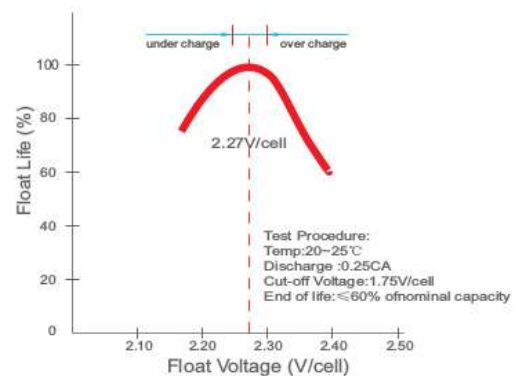
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	700 Ah (C10)
Energy	1400 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	150 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 RXL2-700** 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: 410 mm

Width: 175 mm

Height: 330 mm

Total Height: 367 mm

Weight: 42 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 150 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

RXL2-600 (2 V · 600 Ah) · **RXL2-800** (2 V · 800 Ah) · See all RXL series models

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

Maximum AGM longevity (2V). Critical infrastructure.

The RXL2-800 is a 2 V, 800 Ah (10-hour rate) AGM lead-acid battery from the Rekoser eXtended Long Life (AGM 2V) series. It measures 410 × 175 × 330 mm and weighs 50 kg, with F10 terminals. It stores 1.6 kWh and delivers up to 3200 A. Maximum AGM longevity (2V). Critical infrastructure. Typical applications: Railway Signaling and Infrastructure, Power Generation and UPS and Data Centers.

Formerly **RKE2-800**.

Nominal Voltage	2 V
Capacity (25°C)	800 Ah (C10)
Energy	1600 Wh
Weight	50 kg
Terminal	F10
Dimensions	410 × 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)

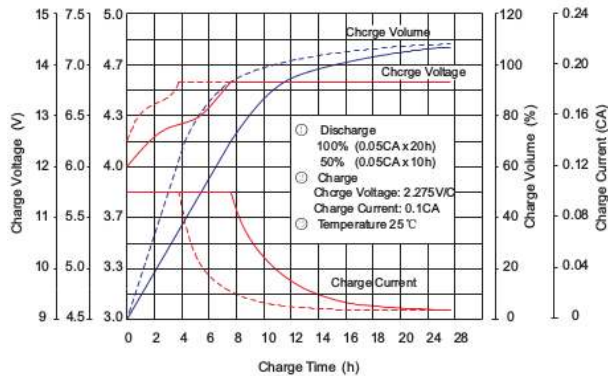
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	643A	438A	198A	138A	80A	42A
1.75 V	667A	452A	204A	142A	80.6A	42.3A
1.70 V	684A	461A	205A	143A	81A	42.5A
1.65 V	706A	473A	207A	144A	81.3A	42.7A
1.60 V	720A	480A	208A	145A	81.4A	42.8A

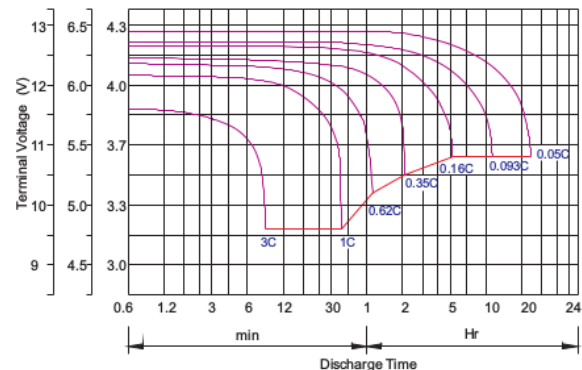
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	1202W	832W	388W	272W	159W	84.4W
1.75 V	1248W	858W	400W	281W	160W	84.6W
1.70 V	1279W	876W	403W	282W	161W	85.1W
1.65 V	1319W	898W	405W	284W	162W	85.3W
1.60 V	1346W	912W	408W	286W	162W	85.5W

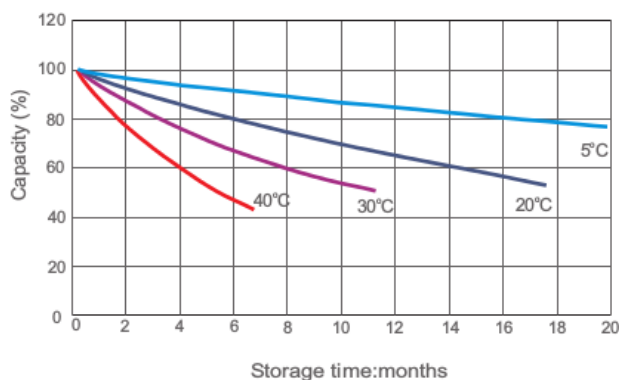
CHARGE CHARACTERISTICS



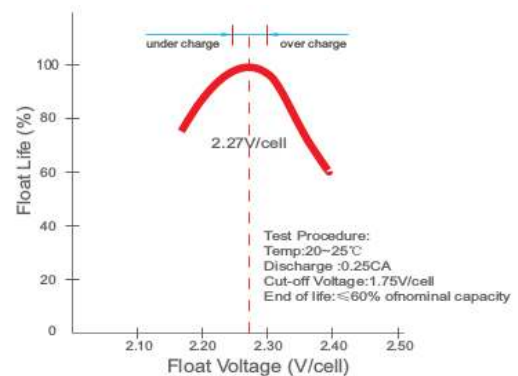
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	800 Ah (C10)
Energy	1600 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	160 A
Max. Discharge Current	3200 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 RXL2-800** 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:

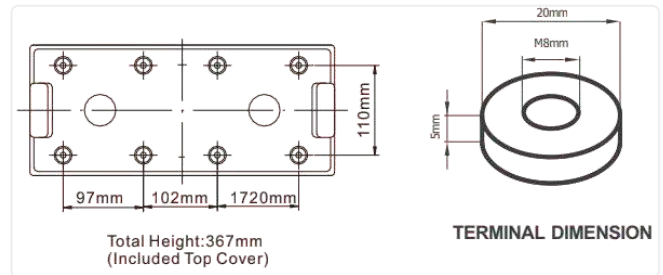
Length: 410 mm

Width: 175 mm

Height: 330 mm

Total Height: 367 mm

Weight: 50 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 160 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

RXL2-700 (2 V · 700 Ah) · **RXL2-1200** (2 V · 1200 Ah) · [See all RXL series models](#)

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

Maximum AGM longevity (2V). Critical infrastructure.

The RXL2-1200 is a 2 V, 1200 Ah (10-hour rate) AGM lead-acid battery from the Rekoser eXtended Long Life (AGM 2V) series. It measures 475 × 175 × 330 mm and weighs 66 kg, with F10 terminals. It stores 2.4 kWh and delivers up to 4000 A. Maximum AGM longevity (2V). Critical infrastructure. Typical applications: Railway Signaling and Infrastructure, Power Generation and UPS and Data Centers.

Formerly **RKE2-1200**.

Nominal Voltage	2 V
Capacity (25°C)	1200 Ah (C10)
Energy	2400 Wh
Weight	66 kg
Terminal	F10
Dimensions	475 × 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)

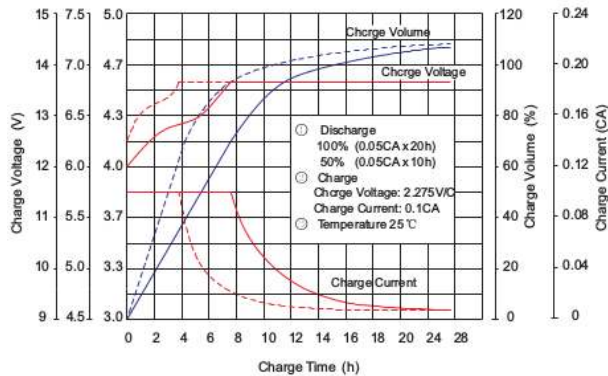
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	964A	657A	297A	207A	120A	63A
1.75 V	1001A	678A	306A	214A	121A	63.4A
1.70 V	1026A	691A	308A	215A	122A	63.8A
1.65 V	1058A	709A	310A	217A	122A	64A
1.60 V	1080A	720A	312A	218A	122A	64.1A

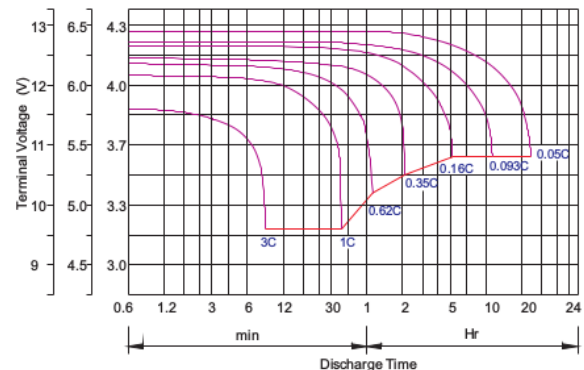
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	1804W	1248W	582W	408W	239W	126W
1.75 V	1872W	1287W	600W	421W	240W	127W
1.70 V	1919W	1313W	604W	424W	242W	128W
1.65 V	1979W	1347W	608W	427W	243W	128W
1.60 V	2020W	1368W	612W	429W	243W	128W

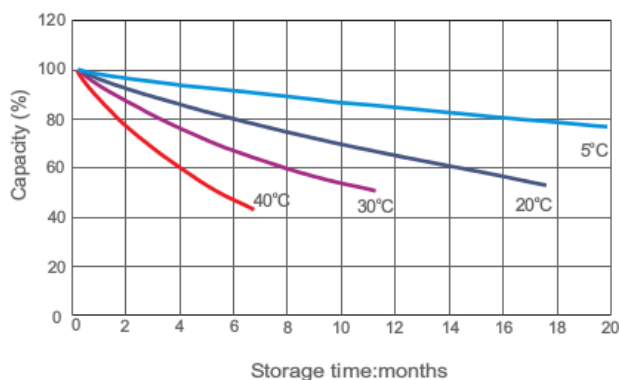
CHARGE CHARACTERISTICS



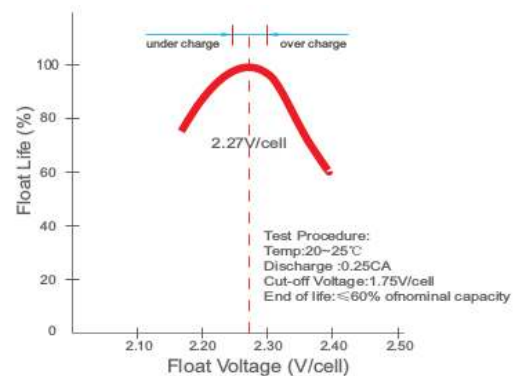
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	1200 Ah (C10)
Energy	2400 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	240 A
Max. Discharge Current	4000 A
Internal Resistance	0.25 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 RXL2-1200** 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:

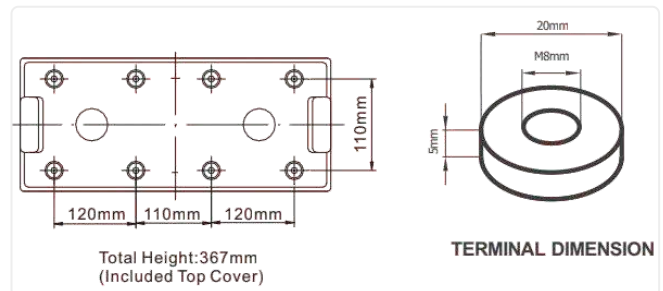
Length: 475 mm

Width: 175 mm

Height: 330 mm

Total Height: 367 mm

Weight: 66 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 240 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

RXL2-800 (2 V · 800 Ah) · **RXL2-1500** (2 V · 1500 Ah) · [See all RXL series models](#)

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

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)

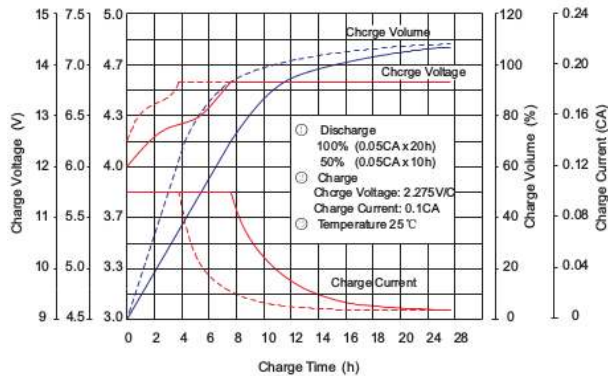
Constant Discharge Ratings (A) at 25°C

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

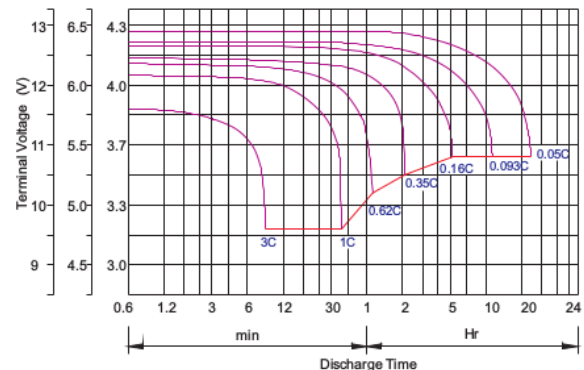
Constant Discharge Ratings (W) at 25°C

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

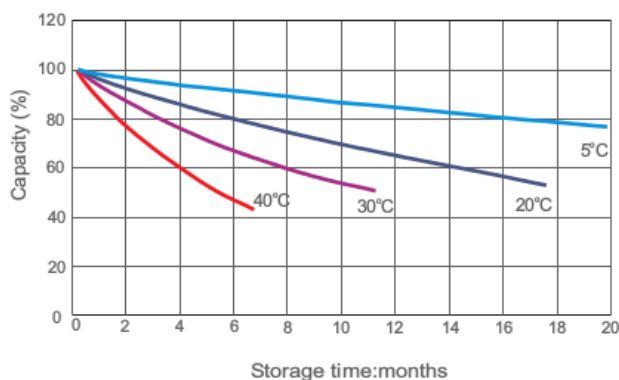
CHARGE CHARACTERISTICS



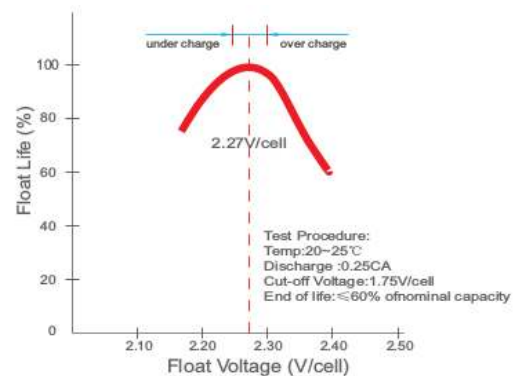
DISCHARGE CHARACTERISTIC 25oC



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:

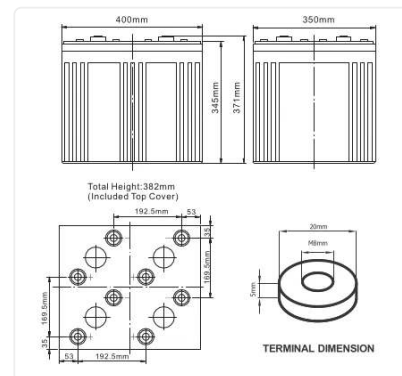
Length: 400 mm

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

Maximum AGM longevity (2V). Critical infrastructure.

The RXL2-2000 is a 2 V, 2000 Ah (10-hour rate) AGM lead-acid battery from the Rekoser eXtended Long Life (AGM 2V) series. It measures 490 × 350 × 345 mm and weighs 120 kg, with F10 terminals. It stores 4 kWh and delivers up to 7000 A. Maximum AGM longevity (2V). Critical infrastructure. Typical applications: Railway Signaling and Infrastructure, Power Generation and UPS and Data Centers.

Formerly **RKE2-2000**.

Nominal Voltage	2 V
Capacity (25°C)	2000 Ah (C10)
Energy	4000 Wh
Weight	120 kg
Terminal	F10
Dimensions	490 × 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)

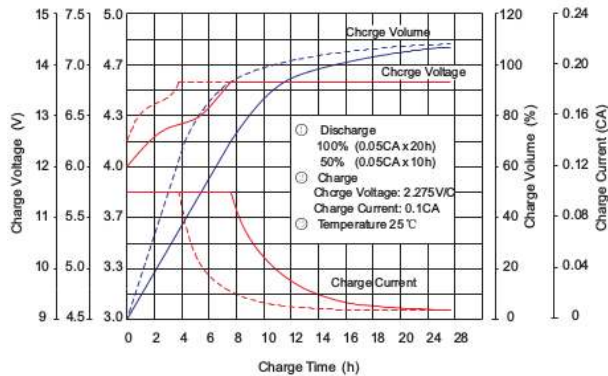
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	1607A	1094A	495A	345A	200A	105A
1.75 V	1669A	1129A	510A	356A	201A	106A
1.70 V	1710A	1152A	514A	358A	203A	106A
1.65 V	1764A	1182A	517A	361A	203A	107A
1.60 V	1800A	1200A	520A	363A	204A	107A

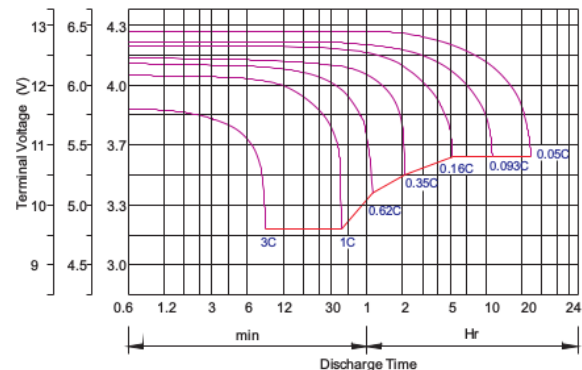
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	3006W	2079W	970W	680W	398W	210W
1.75 V	3120W	2145W	1000W	701W	401W	211W
1.70 V	3198W	2189W	1007W	706W	403W	213W
1.65 V	3299W	2246W	1014W	711W	404W	213W
1.60 V	3366W	2280W	1020W	715W	405W	214W

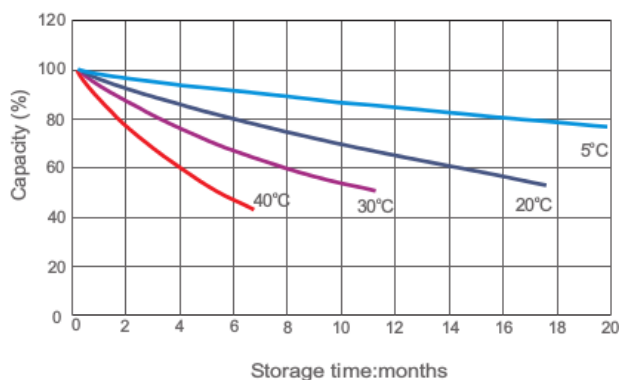
CHARGE CHARACTERISTICS



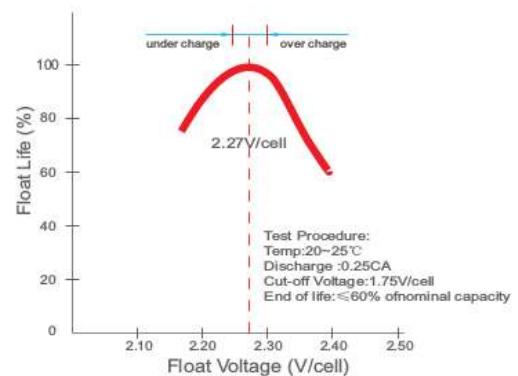
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	2000 Ah (C10)
Energy	4000 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	400 A
Max. Discharge Current	7000 A
Internal Resistance	0.18 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 RXL2-2000** 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:

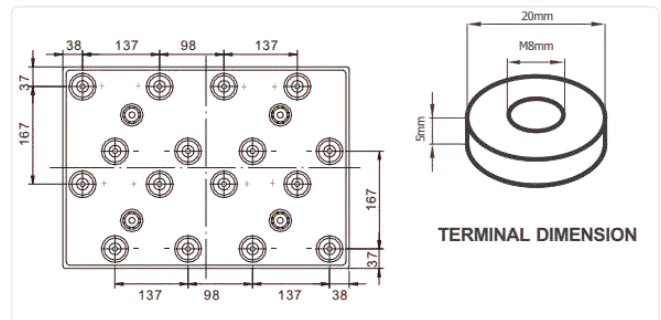
Length: 490 mm

Width: 350 mm

Height: 345 mm

Total Height: 382 mm

Weight: 120 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 400 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

RXL2-1500 (2 V · 1500 Ah) · [See all RXL series models](#)

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