

GEL DEEP CYCLE · SERIES RXG

RXG Series – eXtended Gel (2V)

Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure.

The RXG (eXtended Gel) Series represents the pinnacle of gas recombination technology in a gelled state for industrial energy storage. Engineered to meet the strictest Eurobat "Very Long Life" Glory standards, this range delivers a design life exceeding 12 years in float applications. Its advanced extended gel chemical formulation provides optimized internal resistance, virtually eliminating acid stratification while ensuring exceptional thermal stability even in harsh, unconditioned environments.



MODELS	NOMINAL VOLTAGE	CAPACITY	DESIGN LIFE
12	2 V	150–3000 Ah	15 years
WARRANTY	EUROBAT		
2 years	>12 Years (Very Long Life)		

✓ Key features

Recovery: Superior performance after deep discharges

Stable: Low electrolyte stratification thanks to eXtended Gel technology

Longevity: Excellent cyclic life in harsh conditions (Very Long Life >12 years design life)

Gel Tech: Premium thixotropic gel electrolyte with high thermal stability

⚙ Applications

Solar/Wind Energy Systems

Energy storage for deep-cycle photovoltaic and wind systems, ensuring stable power supply even during low generation periods.

Electrical Substations

Backup systems for control, switching, and protection equipment in high and medium voltage electrical substations.

Telecommunications and Base Stations

Critical backup for network infrastructures and mobile base stations in remote locations with extreme weather conditions.

UPS and Data Centers

🔒 Standards and certifications

 RXG 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
RXG2-150 (formerly RKG2-150)	2 V	150 Ah (C10)	172	102	205	8	F10
RXG2-200 (formerly RKG2-200)	2 V	200 Ah (C10)	173	111	330	13	F10
RXG2-250 (formerly RKG2-250)	2 V	250 Ah (C10)	173	111	330	13	F10
RXG2-300 (formerly RKG2-300)	2 V	300 Ah (C10)	171	151	330	18.5	F10
RXG2-400 (formerly RKG2-400)	2 V	400 Ah (C10)	210	176	330	25.5	F10
RXG2-600 (formerly RKG2-600)	2 V	600 Ah (C10)	302	175	330	35.5	F10
RXG2-800 (formerly RKG2-800)	2 V	800 Ah (C10)	410	175	330	51	F10
RXG2-1000 (formerly RKG2-1000)	2 V	1000 Ah (C10)	475	175	330	61	F10
RXG2-1200 (formerly RKG2-1200)	2 V	1200 Ah (C10)	475	175	330	66	F10
RXG2-1500 (formerly RKG2-1500)	2 V	1500 Ah (C10)	400	350	345	93	F10
RXG2-2500 (formerly RKG2-2500)	2 V	2500 Ah (C10)	490	350	345	138	F10
RXG2-3000 (formerly RKG2-3000)	2 V	3000 Ah (C10)	710	350	345	180	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 GEL longevity (2V). Deep-cycle endurance for critical infrastructure.

The RXG2-150 is a 2 V, 150 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser eXtended Gel (2V) series. It measures 172 × 102 × 205 mm and weighs 8 kg, with F10 terminals. It stores 300 Wh and delivers up to 750 A. Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure. Typical applications: Solar/Wind Energy Systems, Electrical Substations, Telecommunications and Base Stations and UPS and Data Centers.

Nominal Voltage	2 V
Capacity (25°C)	150 Ah (C10)
Energy	300 Wh
Weight	8 kg
Terminal	F10
Dimensions	172 × 102 × 205 mm

Formerly **RKG2-150**.

MAIN ADVANTAGES

- ✓ **Recovery:** Superior performance after deep discharges
- ✓ **Stable:** Low electrolyte stratification thanks to eXtended Gel technology
- ✓ **Longevity:** Excellent cyclic life in harsh conditions (Very Long Life >12 years design life)
- ✓ **Gel Tech:** Premium thixotropic gel electrolyte with high thermal stability

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



SOLAR/WIND ENERGY SYSTEMS



ELECTRICAL SUBSTATIONS



TELECOMMUNICATIONS AND BASE STATIONS



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC61427

IEC 60896-21/22

YD/T1360

BS6290 part 4

GRAPHICS (25°C)

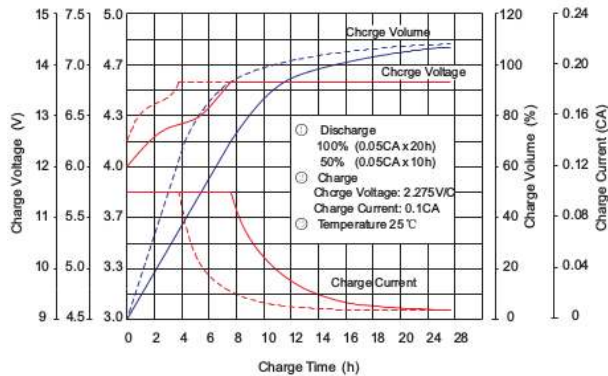
Constant Discharge Ratings (A) at 25°C

F.V / Time	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	174A	121A	82.1A	37.1A	25.9A	15A	7.88A
1.75 V	184A	125A	84.7A	38.3A	26.7A	15.1A	7.93A
1.70 V	190A	128A	86.4A	38.5A	26.9A	15.2A	7.98A
1.65 V	198A	132A	88.7A	38.8A	27.1A	15.2A	8A
1.60 V	203A	135A	90A	39A	27.2A	15.3A	8.02A

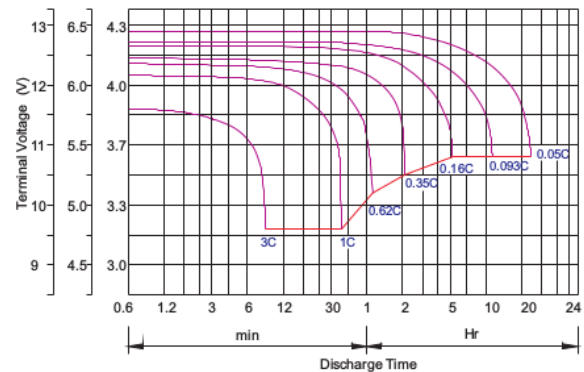
Constant Discharge Ratings (W) at 25°C

F.V / Time	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	319W	225W	156W	72.7W	51W	29.9W	15.8W
1.75 V	336W	234W	161W	75W	52.6W	30.1W	15.9W
1.70 V	348W	240W	164W	75.5W	53W	30.2W	16W
1.65 V	362W	247W	168W	76W	53.3W	30.3W	16W
1.60 V	371W	252W	171W	76.5W	53.7W	30.4W	16W

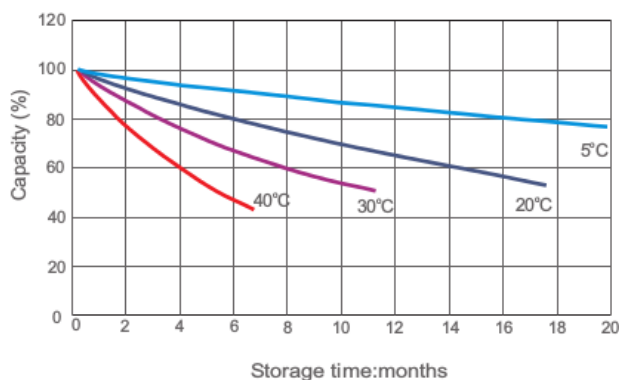
CHARGE CHARACTERISTICS



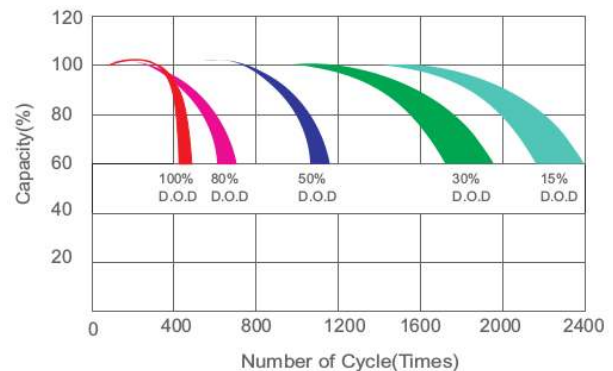
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	150 Ah (C10)
Energy	300 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	30 A
Max. Discharge Current	750 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RXG2-150** 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:

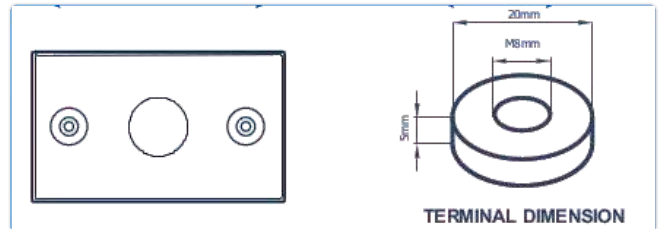
Length: 172 mm

Width: 102 mm

Height: 205 mm

Total Height: 227 mm

Weight: 8 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 30 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed gel battery, maintenance-free and leak-proof.

Charging: Keep to the stated charge voltage: gel is sensitive to overcharging.

Cycling: Recharge fully after every discharge; never leave it discharged.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RXG2-200 (2 V · 200 Ah) · [See all RXG series models](#)

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

Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure.

The RXG2-200 is a 2 V, 200 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser eXtended Gel (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 GEL longevity (2V). Deep-cycle endurance for critical infrastructure. Typical applications: Solar/Wind Energy Systems, Electrical Substations, Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKG2-200**.



MAIN ADVANTAGES

- ✓ **Recovery:** Superior performance after deep discharges
- ✓ **Stable:** Low electrolyte stratification thanks to eXtended Gel technology
- ✓ **Longevity:** Excellent cyclic life in harsh conditions (Very Long Life >12 years design life)
- ✓ **Gel Tech:** Premium thixotropic gel electrolyte with high thermal stability

Nominal Voltage	2 V
Capacity (25°C)	200 Ah (C10)
Energy	400 Wh
Weight	13 kg
Terminal	F10
Dimensions	173 × 111 × 330 mm

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



SOLAR/WIND ENERGY SYSTEMS



ELECTRICAL SUBSTATIONS



TELECOMMUNICATIONS AND BASE STATIONS



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC61427

IEC 60896-21/22

YD/T1360

BS6290 part 4

GRAPHICS (25°C)

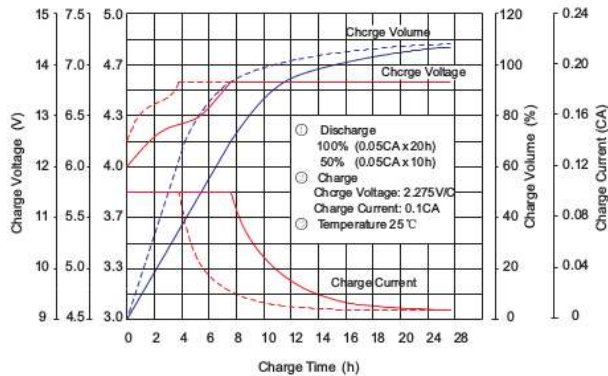
Constant Discharge Ratings (A) at 25°C

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

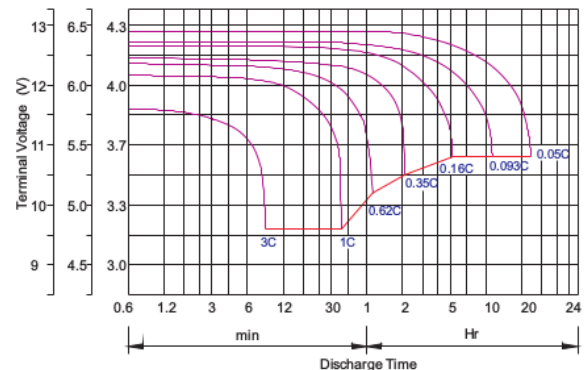
Constant Discharge Ratings (W) at 25°C

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

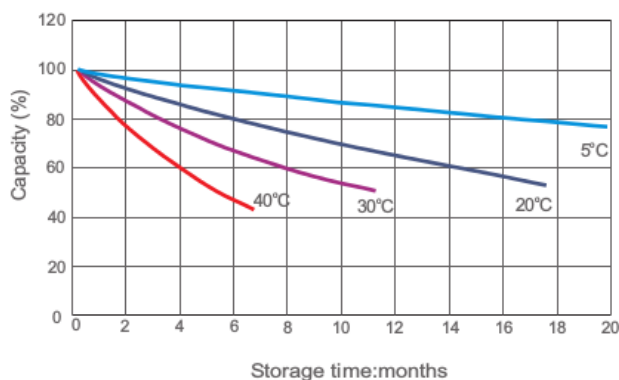
CHARGE CHARACTERISTICS



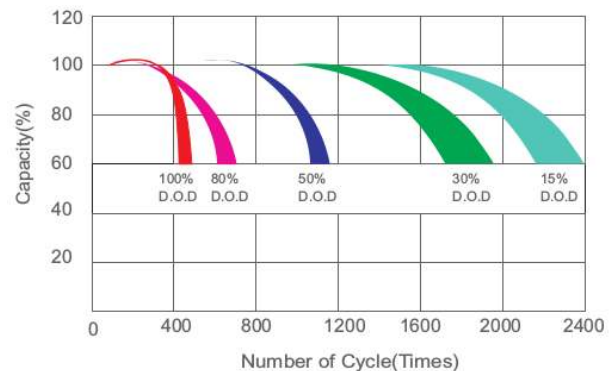
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	200 Ah (C10)
Energy	400 Wh
Cell number	1
Charge Voltage (25°C)	Cycle use: 2.35-2.40V (-50mV/C), max. Current 2.1A Float use: 2.25-2.29V (-30mV/C)
Max. Charge Current	40 A
Max. Discharge Current	1000 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RXG2-200** 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:

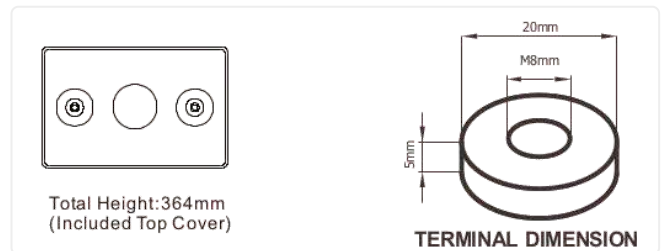
Length: 173 mm

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 (-50mV/C), max. Current 2.1A

Float use: 2.25-2.29V (-30mV/C)

Maximum Current: Do not exceed 40 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed gel battery, maintenance-free and leak-proof.

Charging: Keep to the stated charge voltage: gel is sensitive to overcharging.

Cycling: Recharge fully after every discharge; never leave it discharged.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RXG2-150 (2 V · 150 Ah) · **RXG2-250** (2 V · 250 Ah) · [See all RXG series models](#)

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

Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure.

The RXG2-250 is a 2 V, 250 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser eXtended Gel (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 GEL longevity (2V). Deep-cycle endurance for critical infrastructure. Typical applications: Solar/Wind Energy Systems, Electrical Substations, Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKG2-250**.

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

- ✓ **Recovery:** Superior performance after deep discharges
- ✓ **Stable:** Low electrolyte stratification thanks to eXtended Gel technology
- ✓ **Longevity:** Excellent cyclic life in harsh conditions (Very Long Life >12 years design life)
- ✓ **Gel Tech:** Premium thixotropic gel electrolyte with high thermal stability

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



SOLAR/WIND ENERGY SYSTEMS



ELECTRICAL SUBSTATIONS



TELECOMMUNICATIONS AND BASE STATIONS



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC61427

IEC 60896-21/22

YD/T1360

BS6290 part 4

GRAPHICS (25°C)

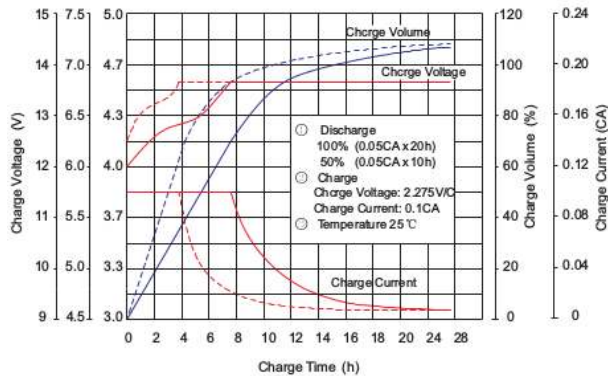
Constant Discharge Ratings (A) at 25°C

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	141A	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

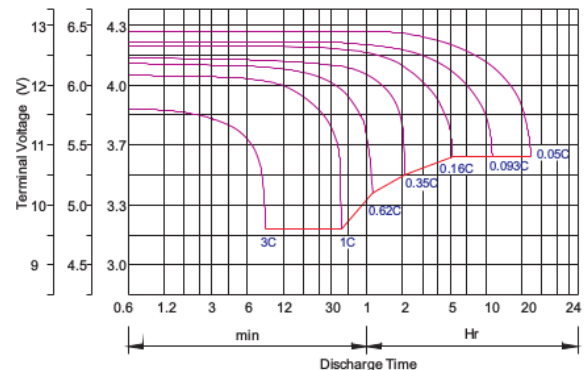
Constant Discharge Ratings (W) at 25°C

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

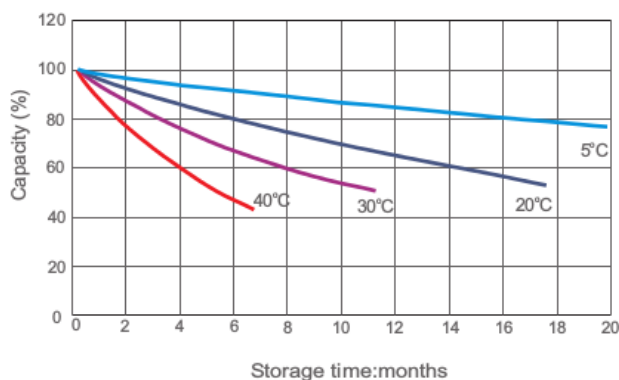
CHARGE CHARACTERISTICS



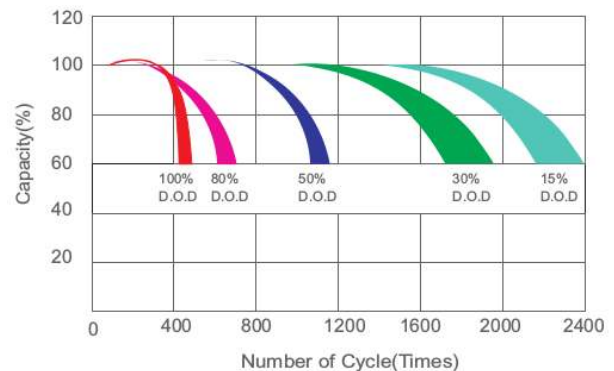
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



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 (-5mV/C) Float use: 2.25-2.29V (-3mV/C)
Max. Charge Current	50 A
Max. Discharge Current	1000 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RXG2-250** 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:

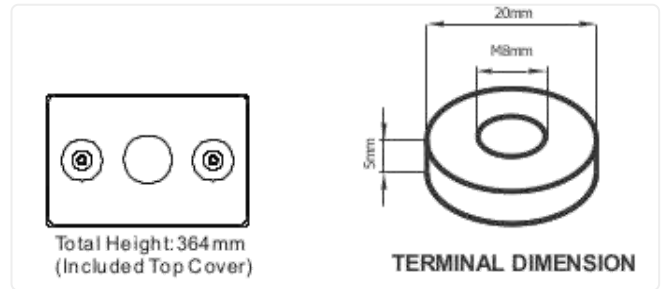
Length: 173 mm

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 (-5mV/C)

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

Maximum Current: Do not exceed 50 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed gel battery, maintenance-free and leak-proof.

Charging: Keep to the stated charge voltage: gel is sensitive to overcharging.

Cycling: Recharge fully after every discharge; never leave it discharged.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RXG2-200 (2 V · 200 Ah) · **RXG2-300** (2 V · 300 Ah) · [See all RXG series models](#)

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

Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure.

The RXG2-300 is a 2 V, 300 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser eXtended Gel (2V) series. It measures 171 × 151 × 330 mm and weighs 18.5 kg, with F10 terminals. It stores 600 Wh and delivers up to 1500 A. Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure. Typical applications: Solar/Wind Energy Systems, Electrical Substations, Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKG2-300**.

Nominal Voltage	2 V
Capacity (25°C)	300 Ah (C10)
Energy	600 Wh
Weight	18.5 kg
Terminal	F10
Dimensions	171 × 151 × 330 mm

MAIN ADVANTAGES

- ✓ **Recovery:** Superior performance after deep discharges
- ✓ **Stable:** Low electrolyte stratification thanks to eXtended Gel technology
- ✓ **Longevity:** Excellent cyclic life in harsh conditions (Very Long Life >12 years design life)
- ✓ **Gel Tech:** Premium thixotropic gel electrolyte with high thermal stability

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



SOLAR/WIND ENERGY SYSTEMS



ELECTRICAL SUBSTATIONS



TELECOMMUNICATIONS AND BASE STATIONS



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC61427

IEC 60896-21/22

YD/T1360

BS6290 part 4

GRAPHICS (25°C)

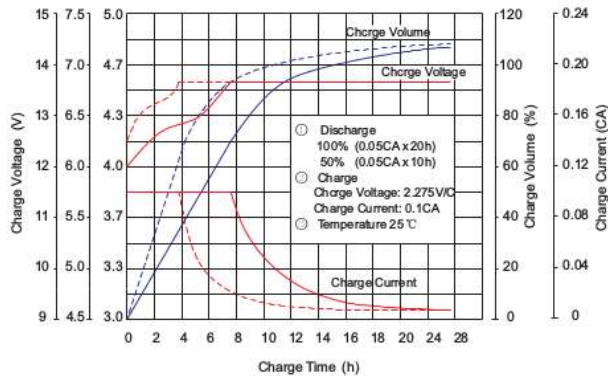
Constant Discharge Ratings (A) at 25°C

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

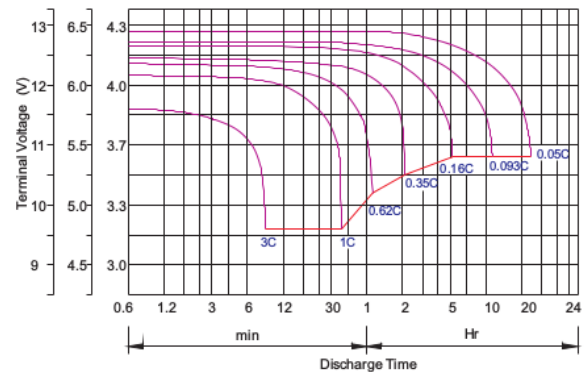
Constant Discharge Ratings (W) at 25°C

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

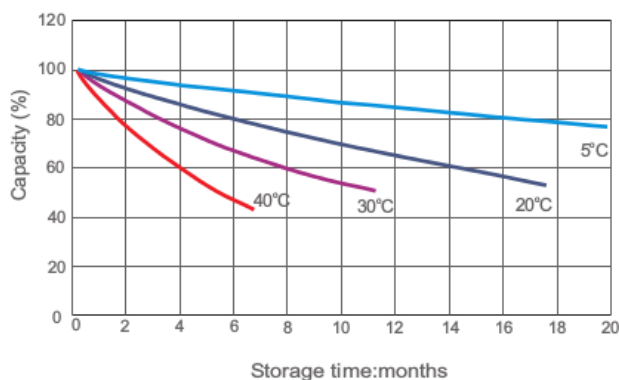
CHARGE CHARACTERISTICS



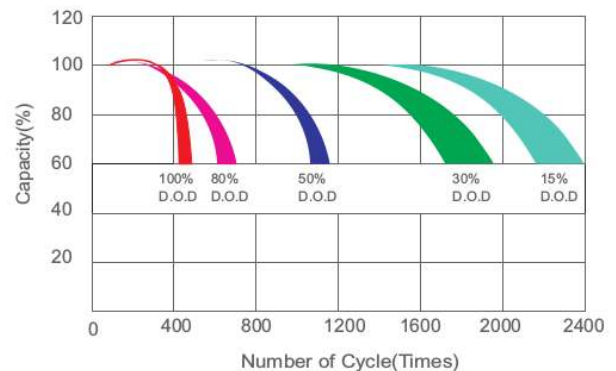
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



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 (-5mV/C) Float use: 2.25-2.29V (-3mV/C)
Max. Charge Current	60 A
Max. Discharge Current	1500 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RXG2-300** 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:

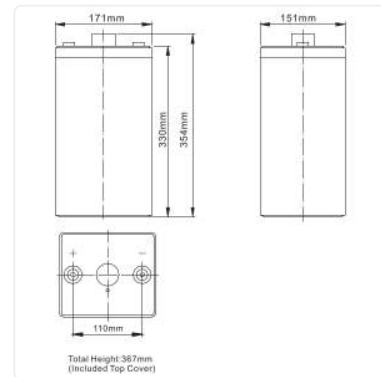
Length: 171 mm

Width: 151 mm

Height: 330 mm

Total Height: 364 mm

Weight: 18.5 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 (-5mV/C)

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

Maximum Current: Do not exceed 60 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed gel battery, maintenance-free and leak-proof.

Charging: Keep to the stated charge voltage: gel is sensitive to overcharging.

Cycling: Recharge fully after every discharge; never leave it discharged.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RXG2-250 (2 V · 250 Ah) · **RXG2-400** (2 V · 400 Ah) · [See all RXG series models](#)

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

Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure.

The RXG2-400 is a 2 V, 400 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser eXtended Gel (2V) series. It measures 210 × 176 × 330 mm and weighs 25.5 kg, with F10 terminals. It stores 800 Wh and delivers up to 2000 A. Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure. Typical applications: Solar/Wind Energy Systems, Electrical Substations, Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKG2-400**.

Nominal Voltage	2 V
Capacity (25°C)	400 Ah (C10)
Energy	800 Wh
Weight	25.5 kg
Terminal	F10
Dimensions	210 × 176 × 330 mm

MAIN ADVANTAGES

- ✓ **Recovery:** Superior performance after deep discharges
- ✓ **Stable:** Low electrolyte stratification thanks to eXtended Gel technology
- ✓ **Longevity:** Excellent cyclic life in harsh conditions (Very Long Life >12 years design life)
- ✓ **Gel Tech:** Premium thixotropic gel electrolyte with high thermal stability

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



SOLAR/WIND ENERGY SYSTEMS



ELECTRICAL SUBSTATIONS



TELECOMMUNICATIONS AND BASE STATIONS



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC61427

IEC 60896-21/22

YD/T1360

BS6290 part 4

GRAPHICS (25°C)

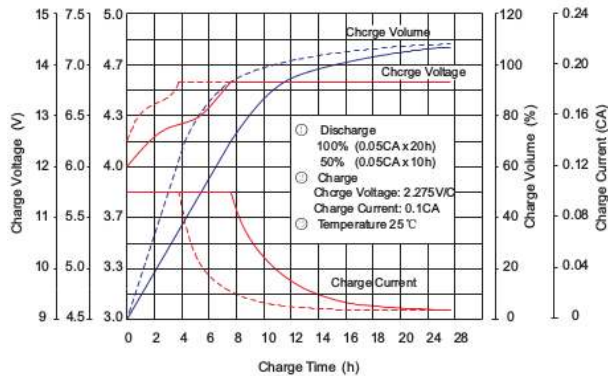
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	321A	219A	98.9A	69.1A	40A	21A
1.75 V	334A	226A	102A	71.2A	40.3A	21.1A
1.70 V	342A	230A	103A	71.7A	40.5A	21.3A
1.65 V	353A	236A	103A	72.2A	40.6A	21.3A
1.60 V	360A	240A	104A	72.6A	40.7A	21.4A

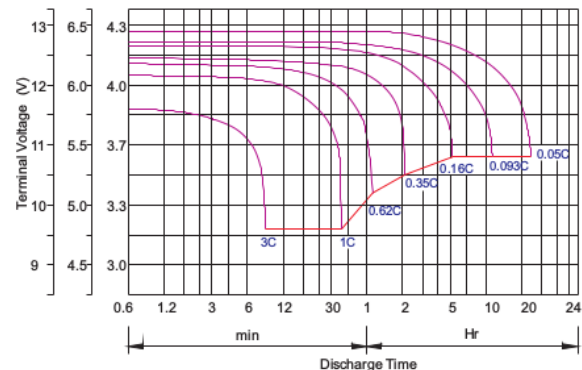
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	601W	416W	194W	136W	79.6W	42W
1.75 V	624W	429W	200W	140W	80.2W	42.3W
1.70 V	640W	438W	201W	141W	80.6W	42.5W
1.65 V	660W	449W	203W	142W	80.9W	42.7W
1.60 V	673W	456W	204W	143W	81W	42.8W

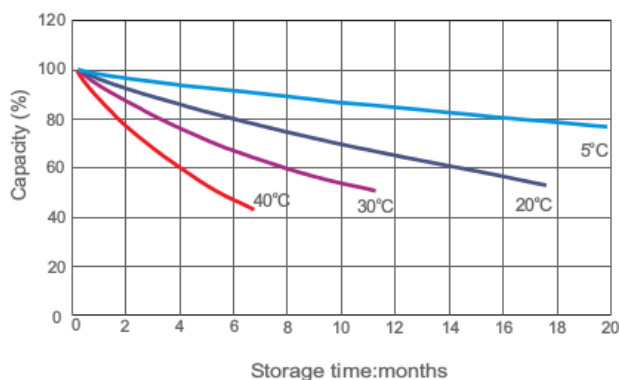
CHARGE CHARACTERISTICS



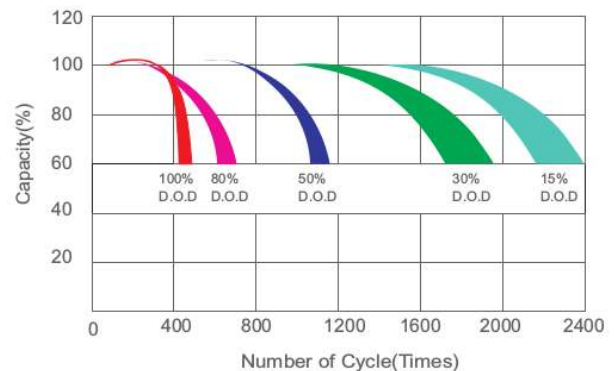
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



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 (-5mV/C) Float use: 2.25-2.29V (-3mV/C)
Max. Charge Current	80 A
Max. Discharge Current	2000 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RXG2-400** 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:

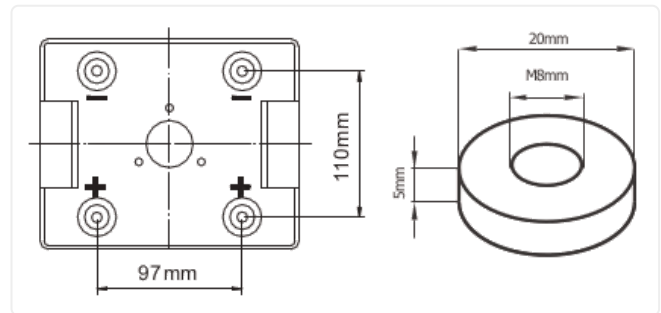
Length: 210 mm

Width: 176 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 (-5mV/C)

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

Maximum Current: Do not exceed 80 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed gel battery, maintenance-free and leak-proof.

Charging: Keep to the stated charge voltage: gel is sensitive to overcharging.

Cycling: Recharge fully after every discharge; never leave it discharged.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RXG2-300 (2 V · 300 Ah) · **RXG2-600** (2 V · 600 Ah) · [See all RXG series models](#)

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

Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure.

The RXG2-600 is a 2 V, 600 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser eXtended Gel (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 GEL longevity (2V). Deep-cycle endurance for critical infrastructure. Typical applications: Solar/Wind Energy Systems, Electrical Substations, Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKG2-600**.



MAIN ADVANTAGES

- ✓ **Recovery:** Superior performance after deep discharges
- ✓ **Stable:** Low electrolyte stratification thanks to eXtended Gel technology
- ✓ **Longevity:** Excellent cyclic life in harsh conditions (Very Long Life >12 years design life)
- ✓ **Gel Tech:** Premium thixotropic gel electrolyte with high thermal stability

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

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



SOLAR/WIND ENERGY SYSTEMS



ELECTRICAL SUBSTATIONS



TELECOMMUNICATIONS AND BASE STATIONS



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC61427

IEC 60896-21/22

YD/T1360

BS6290 part 4

GRAPHICS (25°C)

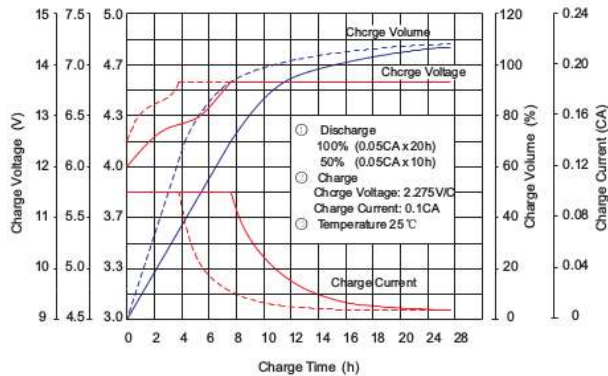
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	2HR	3HR	5HR	6HR	8HR	10HR	20HR
1.80 V	482A	328A	207A	148A	104A	89A	69.8A	60A	31.5A
1.75 V	501A	339A	213A	153A	107A	91.8A	72A	60.4A	31.7A
1.70 V	513A	346A	216A	154A	108A	92.4A	72.5A	60.8A	31.9A
1.65 V	529A	355A	218A	155A	108A	93.1A	73A	61A	32A
1.60 V	540A	360A	219A	156A	109A	93.6A	73.4A	61.1A	32.1A

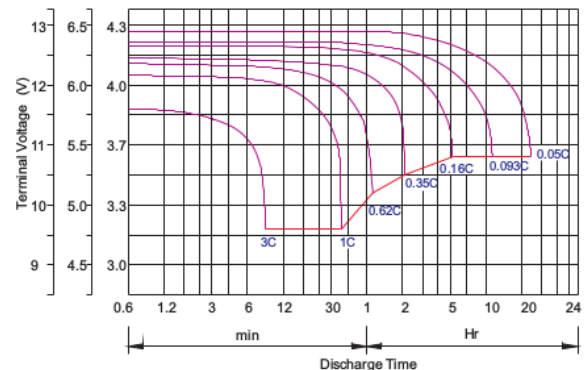
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	2HR	3HR	5HR	6HR	8HR	10HR	20HR
1.80 V	902W	624W	400W	291W	204W	175W	139W	119W	63W
1.75 V	936W	644W	411W	300W	210W	181W	143W	120W	63.4W
1.70 V	959W	657W	417W	302W	212W	182W	144W	121W	63.8W
1.65 V	990W	674W	421W	304W	213W	183W	145W	121W	64W
1.60 V	1010W	684W	423W	306W	215W	184W	146W	122W	64.1W

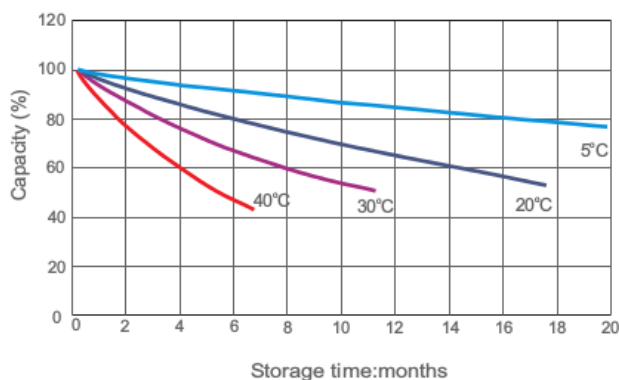
CHARGE CHARACTERISTICS



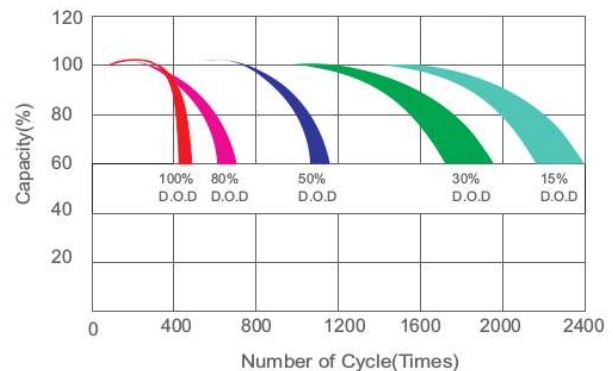
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



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 (-5mV / o C/ cell) Float use: 2.25-2.29V (-3mV / o C/ cell)
Max. Charge Current	120 A
Max. Discharge Current	3000 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RXG2-600** 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:

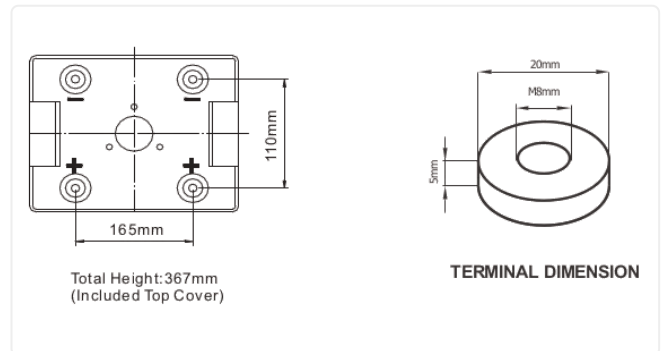
Length: 302 mm

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 (-5mV / o C/ cell)

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

Maximum Current: Do not exceed 120 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed gel battery, maintenance-free and leak-proof.

Charging: Keep to the stated charge voltage: gel is sensitive to overcharging.

Cycling: Recharge fully after every discharge; never leave it discharged.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RXG2-400 (2 V · 400 Ah) · **RXG2-800** (2 V · 800 Ah) · [See all RXG series models](#)

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

Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure.

The RXG2-800 is a 2 V, 800 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser eXtended Gel (2V) series. It measures 410 × 175 × 330 mm and weighs 51 kg, with F10 terminals. It stores 1.6 kWh and delivers up to 3200 A. Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure. Typical applications: Solar/Wind Energy Systems, Electrical Substations, Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKG2-800**.

Nominal Voltage	2 V
Capacity (25°C)	800 Ah (C10)
Energy	1600 Wh
Weight	51 kg
Terminal	F10
Dimensions	410 × 175 × 330 mm

MAIN ADVANTAGES

- ✓ **Recovery:** Superior performance after deep discharges
- ✓ **Stable:** Low electrolyte stratification thanks to eXtended Gel technology
- ✓ **Longevity:** Excellent cyclic life in harsh conditions (Very Long Life >12 years design life)
- ✓ **Gel Tech:** Premium thixotropic gel electrolyte with high thermal stability

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



SOLAR/WIND ENERGY SYSTEMS



ELECTRICAL SUBSTATIONS



TELECOMMUNICATIONS AND BASE STATIONS



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC61427

IEC 60896-21/22

YD/T1360

BS6290 part 4

GRAPHICS (25°C)

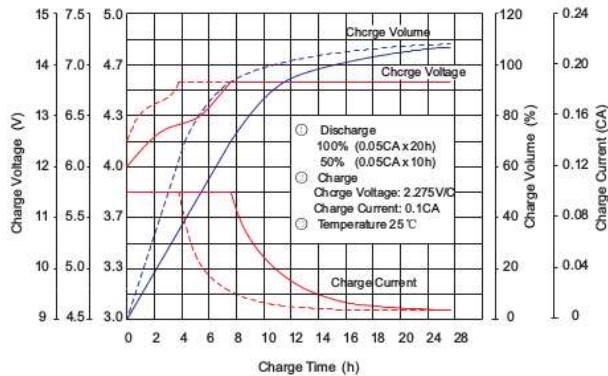
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	2HR	3HR	5HR	6HR	8HR	10HR	20HR
1.80 V	643A	438A	276A	198A	138A	119A	93.1A	80A	36.4A
1.75 V	667A	452A	284A	204A	142A	122A	96A	80.6A	36.7A
1.70 V	684A	461A	288A	205A	143A	123A	96.7A	81A	36.9A
1.65 V	706A	473A	291A	207A	144A	124A	97.3A	81.3A	37A
1.60 V	720A	480A	292A	208A	145A	125A	97.9A	81.4A	37.1A

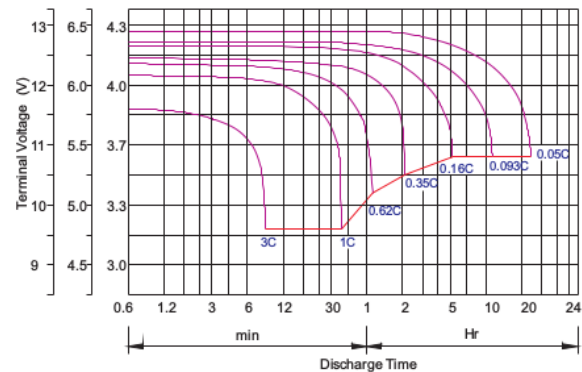
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	2HR	3HR	5HR	6HR	8HR	10HR	20HR
1.80 V	1202W	832W	534W	388W	272W	234W	185W	159W	73.2W
1.75 V	1248W	858W	548W	400W	281W	241W	191W	160W	73.7W
1.70 V	1279W	876W	556W	403W	282W	243W	192W	161W	74.1W
1.65 V	1319W	898W	561W	405W	284W	245W	194W	162W	74.3W
1.60 V	1346W	912W	564W	408W	286W	246W	195W	162W	74.5W

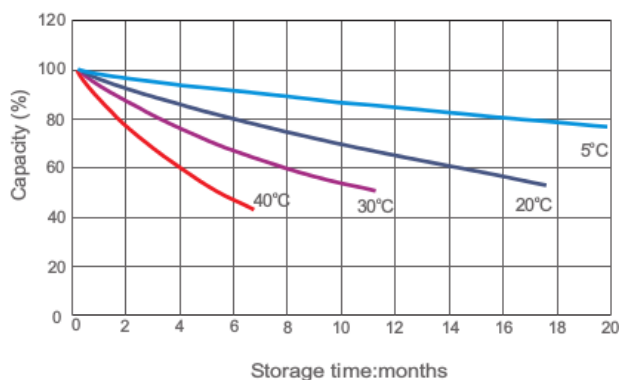
CHARGE CHARACTERISTICS



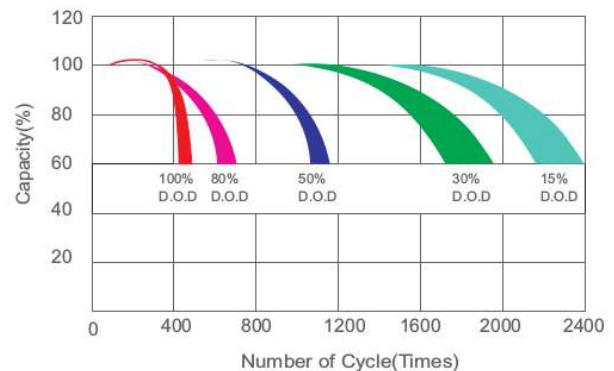
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



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 (-5mV / o C/ cell) Float use: 2.25-2.29V (-3mV / o C/ cell)
Max. Charge Current	160 A
Max. Discharge Current	3200 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RXG2-800** 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:

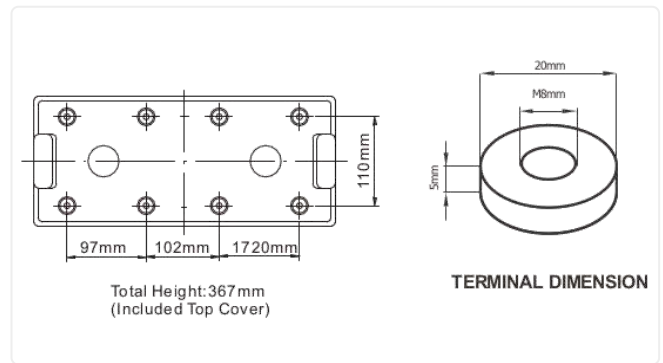
Length: 410 mm

Width: 175 mm

Height: 330 mm

Total Height: 367 mm

Weight: 51 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 / o C/ cell)

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

Maximum Current: Do not exceed 160 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed gel battery, maintenance-free and leak-proof.

Charging: Keep to the stated charge voltage: gel is sensitive to overcharging.

Cycling: Recharge fully after every discharge; never leave it discharged.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RXG2-600 (2 V · 600 Ah) · **RXG2-1000** (2 V · 1000 Ah) · See all RXG series models

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

Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure.

The RXG2-1000 is a 2 V, 1000 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser eXtended Gel (2V) series. It measures 475 × 175 × 330 mm and weighs 61 kg, with F10 terminals. It stores 2 kWh and delivers up to 4000 A. Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure. Typical applications: Solar/Wind Energy Systems, Electrical Substations, Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKG2-1000**.

Nominal Voltage	2 V
Capacity (25°C)	1000 Ah (C10)
Energy	2000 Wh
Weight	61 kg
Terminal	F10
Dimensions	475 × 175 × 330 mm

MAIN ADVANTAGES

- ✓ **Recovery:** Superior performance after deep discharges
- ✓ **Stable:** Low electrolyte stratification thanks to eXtended Gel technology
- ✓ **Longevity:** Excellent cyclic life in harsh conditions (Very Long Life >12 years design life)
- ✓ **Gel Tech:** Premium thixotropic gel electrolyte with high thermal stability

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



SOLAR/WIND ENERGY SYSTEMS



ELECTRICAL SUBSTATIONS



TELECOMMUNICATIONS AND BASE STATIONS



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC61427

IEC 60896-21/22

YD/T1360

BS6290 part 4

GRAPHICS (25°C)

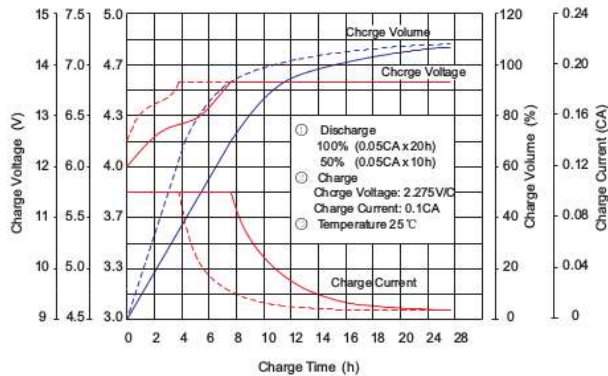
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
10.80 V	804A	547A	247A	173A	100A	52.5A
10.50 V	834A	565A	255A	178A	101A	52.9A
10.20 V	855A	576A	257A	179A	101A	53.2A
9.90 V	882A	591A	259A	180A	102A	53.3A
9.60 V	900A	600A	260A	182A	102A	53.4A

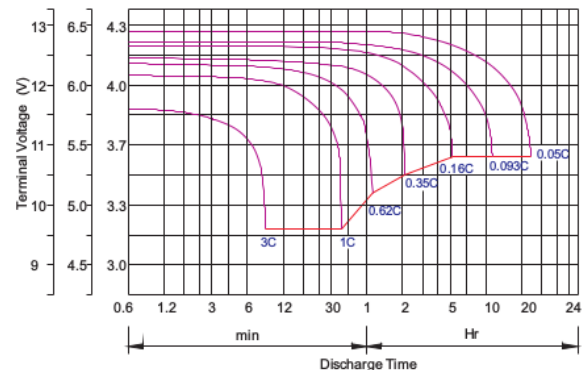
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
10.80 V	1503W	1040W	485W	340W	199W	105W
10.50 V	1560W	1073W	500W	351W	200W	106W
10.20 V	1599W	1094W	503W	353W	202W	106W
9.90 V	1649W	1123W	507W	356W	202W	107W
9.60 V	1683W	1140W	510W	358W	203W	107W

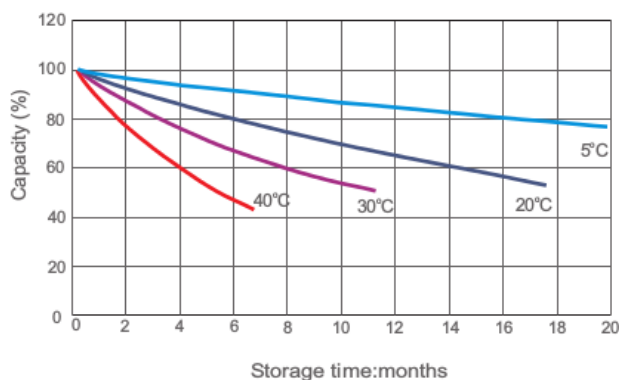
CHARGE CHARACTERISTICS



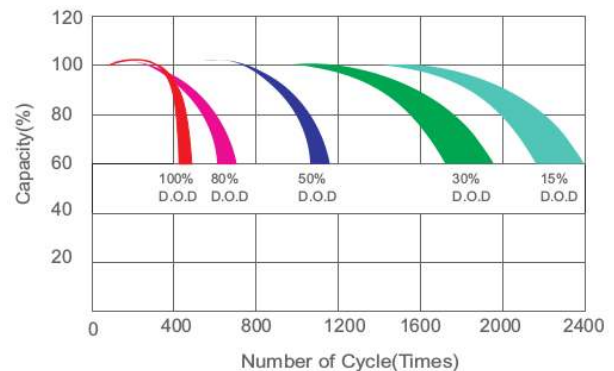
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	1000 Ah (C10)
Energy	2000 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	200 A
Max. Discharge Current	4000 A
Internal Resistance	0.28 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RXG2-1000** 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:

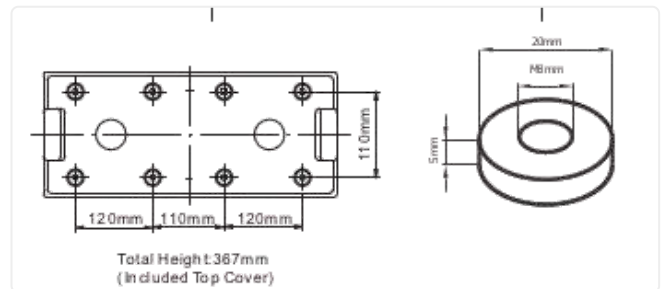
Length: 475 mm

Width: 175 mm

Height: 330 mm

Total Height: 367 mm

Weight: 61 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 200 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed gel battery, maintenance-free and leak-proof.

Charging: Keep to the stated charge voltage: gel is sensitive to overcharging.

Cycling: Recharge fully after every discharge; never leave it discharged.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RXG2-800 (2 V · 800 Ah) · **RXG2-1200** (2 V · 1200 Ah) · [See all RXG series models](#)

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

Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure.

The RXG2-1200 is a 2 V, 1200 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser eXtended Gel (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 GEL longevity (2V). Deep-cycle endurance for critical infrastructure. Typical applications: Solar/Wind Energy Systems, Electrical Substations, Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKG2-1200**.



MAIN ADVANTAGES

- ✓ **Recovery:** Superior performance after deep discharges
- ✓ **Stable:** Low electrolyte stratification thanks to eXtended Gel technology
- ✓ **Longevity:** Excellent cyclic life in harsh conditions (Very Long Life >12 years design life)
- ✓ **Gel Tech:** Premium thixotropic gel electrolyte with high thermal stability

Nominal Voltage	2 V
Capacity (25°C)	1200 Ah (C10)
Energy	2400 Wh
Weight	66 kg
Terminal	F10
Dimensions	475 × 175 × 330 mm

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



SOLAR/WIND ENERGY SYSTEMS



ELECTRICAL SUBSTATIONS



TELECOMMUNICATIONS AND BASE STATIONS



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC61427

IEC 60896-21/22

YD/T1360

BS6290 part 4

GRAPHICS (25°C)

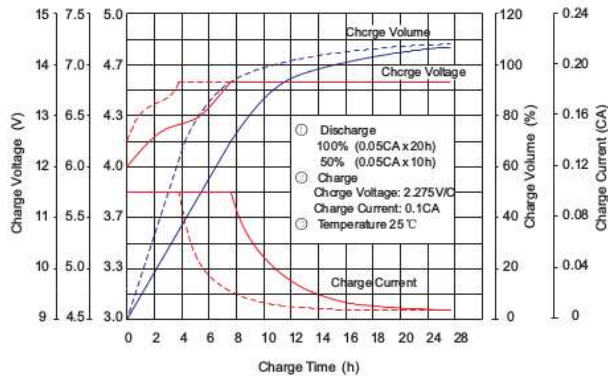
Constant Discharge Ratings (A) at 25°C

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

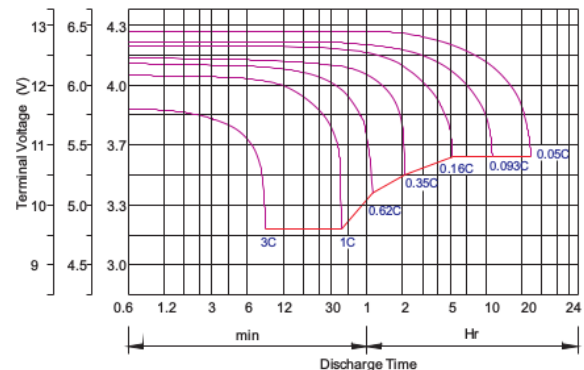
Constant Discharge Ratings (W) at 25°C

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

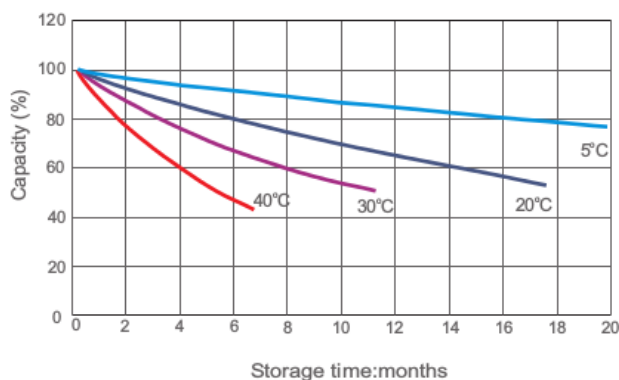
CHARGE CHARACTERISTICS



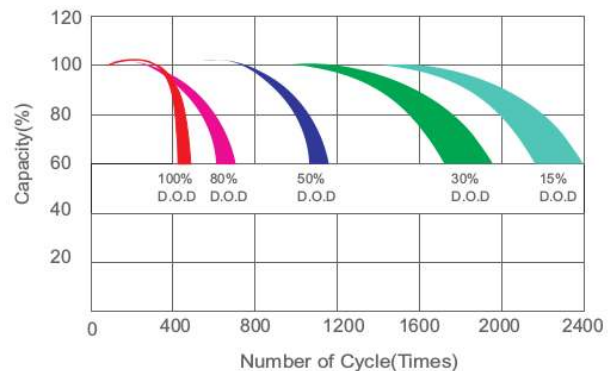
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



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 (-30mV/C) Float use: 2.25-2.29V (-20mV/C)
Max. Charge Current	240 A
Max. Discharge Current	4000 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RXG2-1200** 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:

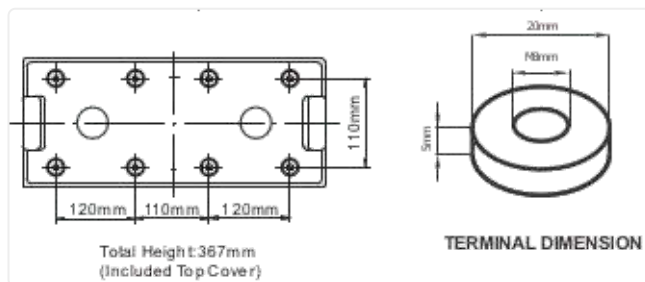
Length: 475 mm

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 (-30mV/C)

Float use: 2.25-2.29V (-20mV/C)

Maximum Current: Do not exceed 240 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed gel battery, maintenance-free and leak-proof.

Charging: Keep to the stated charge voltage: gel is sensitive to overcharging.

Cycling: Recharge fully after every discharge; never leave it discharged.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RXG2-1000 (2 V · 1000 Ah) · **RXG2-1500** (2 V · 1500 Ah) · [See all RXG series models](#)

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

Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure.

The RXG2-1500 is a 2 V, 1500 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser eXtended Gel (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 GEL longevity (2V). Deep-cycle endurance for critical infrastructure. Typical applications: Solar/Wind Energy Systems, Electrical Substations, Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKG2-1500**.

Nominal Voltage	2 V
Capacity (25°C)	1500 Ah (C10)
Energy	3000 Wh
Weight	93 kg
Terminal	F10
Dimensions	400 × 350 × 345 mm

MAIN ADVANTAGES

- ✓ **Recovery:** Superior performance after deep discharges
- ✓ **Stable:** Low electrolyte stratification thanks to eXtended Gel technology
- ✓ **Longevity:** Excellent cyclic life in harsh conditions (Very Long Life >12 years design life)
- ✓ **Gel Tech:** Premium thixotropic gel electrolyte with high thermal stability

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



SOLAR/WIND ENERGY SYSTEMS



ELECTRICAL SUBSTATIONS



TELECOMMUNICATIONS AND BASE STATIONS



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC61427

IEC 60896-21/22

YD/T1360

BS6290 part 4

GRAPHICS (25°C)

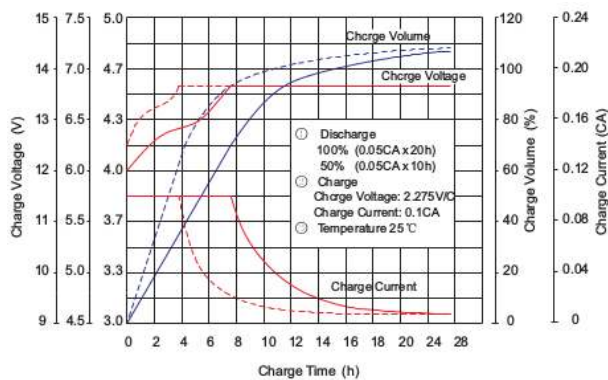
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	1206A	821A	371A	259A	150A	78.8A
1.75 V	1251A	847A	383A	267A	151A	79.3A
1.70 V	1283A	864A	385A	269A	152A	79.8A
1.65 V	1323A	887A	388A	271A	152A	80A
1.60 V	1350A	900A	390A	272A	153A	80.2A

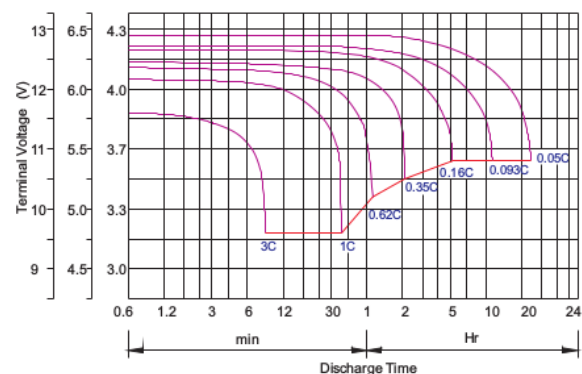
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	2254W	1560W	727W	510W	299W	158W
1.75 V	2340W	1609W	750W	526W	301W	159W
1.70 V	2398W	1642W	755W	530W	302W	160W
1.65 V	2474W	1684W	760W	533W	303W	160W
1.60 V	2525W	1710W	765W	537W	304W	160W

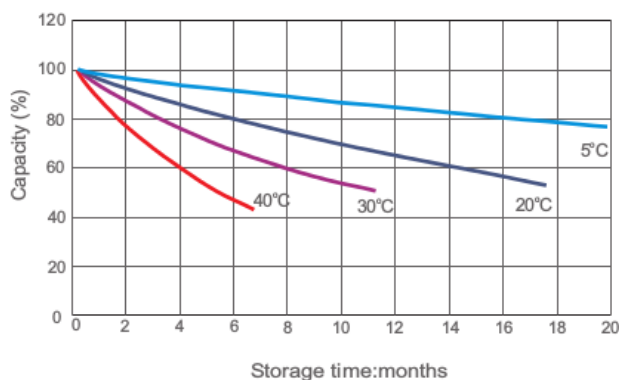
CHARGE CHARACTERISTICS



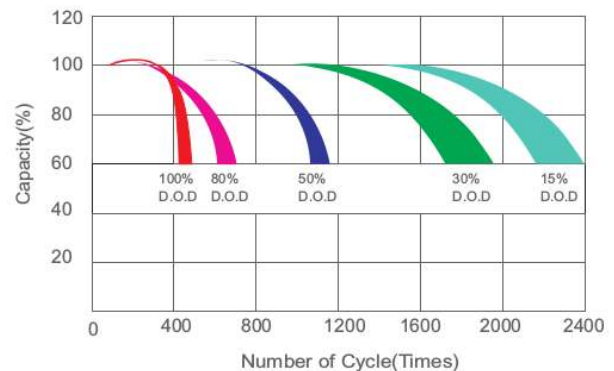
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	1500 Ah (C10)
Energy	3000 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	300 A
Max. Discharge Current	6000 A
Internal Resistance	0.2 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RXG2-1500** 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:

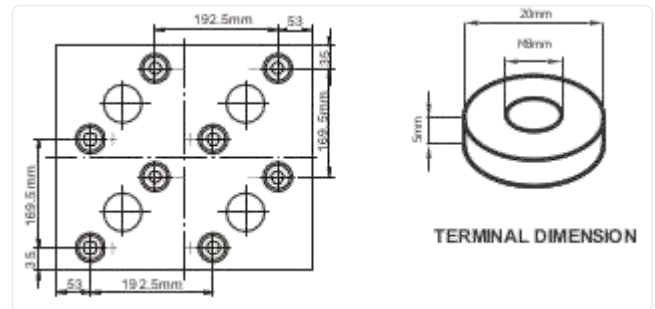
Length: 400 mm

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/C)

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

Maximum Current: Do not exceed 300 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed gel battery, maintenance-free and leak-proof.

Charging: Keep to the stated charge voltage: gel is sensitive to overcharging.

Cycling: Recharge fully after every discharge; never leave it discharged.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RXG2-1200 (2 V · 1200 Ah) · **RXG2-2500** (2 V · 2500 Ah) · [See all RXG series models](#)

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

Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure.

The RXG2-2500 is a 2 V, 2500 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser eXtended Gel (2V) series. It measures 490 × 350 × 345 mm and weighs 138 kg, with F10 terminals. It stores 5 kWh and delivers up to 7000 A. Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure. Typical applications: Solar/Wind Energy Systems, Electrical Substations, Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKG2-2500**.

Nominal Voltage	2 V
Capacity (25°C)	2500 Ah (C10)
Energy	5000 Wh
Weight	138 kg
Terminal	F10
Dimensions	490 × 350 × 345 mm

MAIN ADVANTAGES

- ✓ **Recovery:** Superior performance after deep discharges
- ✓ **Stable:** Low electrolyte stratification thanks to eXtended Gel technology
- ✓ **Longevity:** Excellent cyclic life in harsh conditions (Very Long Life >12 years design life)
- ✓ **Gel Tech:** Premium thixotropic gel electrolyte with high thermal stability

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



SOLAR/WIND ENERGY SYSTEMS



ELECTRICAL SUBSTATIONS



TELECOMMUNICATIONS AND BASE STATIONS



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC61427

IEC 60896-21/22

YD/T1360

BS6290 part 4

GRAPHICS (25°C)

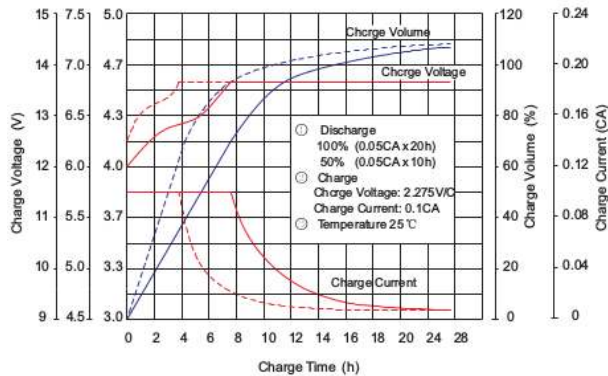
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	1929A	1313A	594A	414A	250A	126A
1.75 V	2002A	1355A	612A	427A	252A	127A
1.70 V	2052A	1382A	616A	430A	253A	128A
1.65 V	2117A	1418A	621A	433A	254A	128A
1.60 V	2160A	1440A	624A	436A	254A	128A

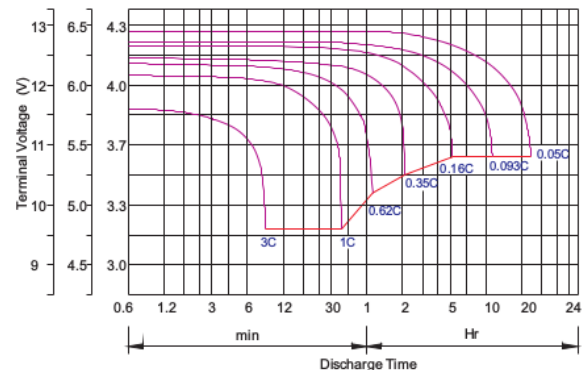
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	3607W	2495W	1164W	816W	488W	252W
1.75 V	3744W	2575W	1200W	842W	491W	254W
1.70 V	3837W	2627W	1208W	847W	494W	255W
1.65 V	3958W	2695W	1216W	853W	495W	256W
1.60 V	4039W	2736W	1224W	858W	496W	257W

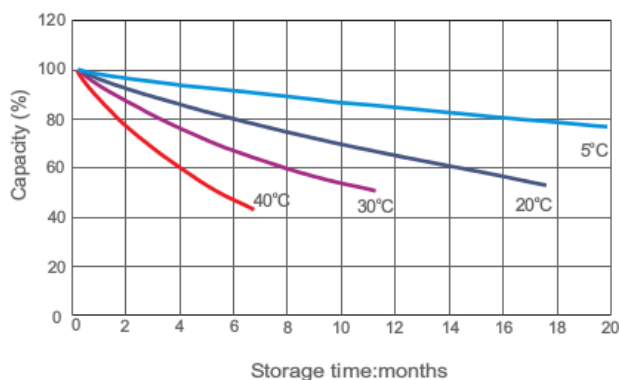
CHARGE CHARACTERISTICS



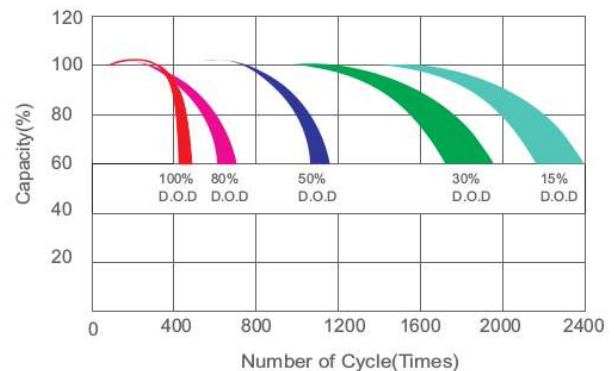
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	2500 Ah (C10)
Energy	5000 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	500 A
Max. Discharge Current	7000 A
Internal Resistance	0.15 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RXG2-2500** 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:

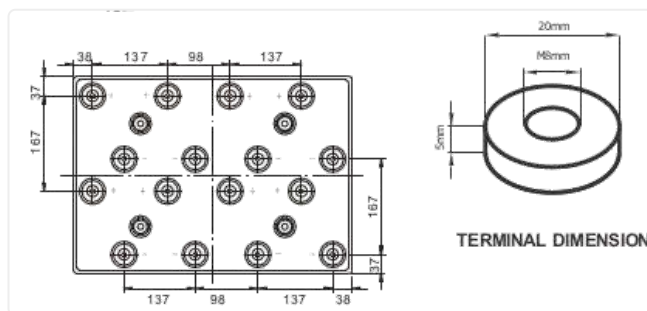
Length: 490 mm

Width: 350 mm

Height: 345 mm

Total Height: 382 mm

Weight: 138 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 500 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed gel battery, maintenance-free and leak-proof.

Charging: Keep to the stated charge voltage: gel is sensitive to overcharging.

Cycling: Recharge fully after every discharge; never leave it discharged.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RXG2-1500 (2 V · 1500 Ah) · **RXG2-3000** (2 V · 3000 Ah) · See all RXG series models

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

Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure.

The RXG2-3000 is a 2 V, 3000 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser eXtended Gel (2V) series. It measures 710 × 350 × 345 mm and weighs 180 kg, with F10 terminals. It stores 6 kWh and delivers up to 1600 A. Maximum GEL longevity (2V). Deep-cycle endurance for critical infrastructure. Typical applications: Solar/Wind Energy Systems, Electrical Substations, Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKG2-3000**.



MAIN ADVANTAGES

- ✓ **Recovery:** Superior performance after deep discharges
- ✓ **Stable:** Low electrolyte stratification thanks to eXtended Gel technology
- ✓ **Longevity:** Excellent cyclic life in harsh conditions (Very Long Life >12 years design life)
- ✓ **Gel Tech:** Premium thixotropic gel electrolyte with high thermal stability

Nominal Voltage	2 V
Capacity (25°C)	3000 Ah (C10)
Energy	6000 Wh
Weight	180 kg
Terminal	F10
Dimensions	710 × 350 × 345 mm

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



SOLAR/WIND ENERGY SYSTEMS



ELECTRICAL SUBSTATIONS



TELECOMMUNICATIONS AND BASE STATIONS



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC61427

IEC 60896-21/22

YD/T1360

BS6290 part 4

GRAPHICS (25°C)

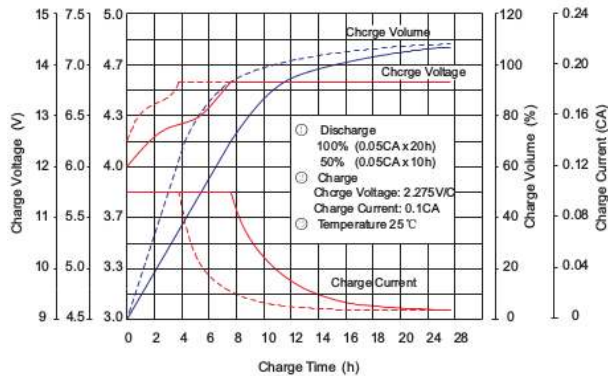
Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	2411A	1642A	742A	518A	300A	158A
1.75 V	2503A	1694A	765A	534A	302A	159A
1.70 V	2565A	1728A	770A	538A	304A	160A
1.65 V	2646A	1773A	776A	541A	305A	160A
1.60 V	2700A	1800A	780A	545A	305A	160A

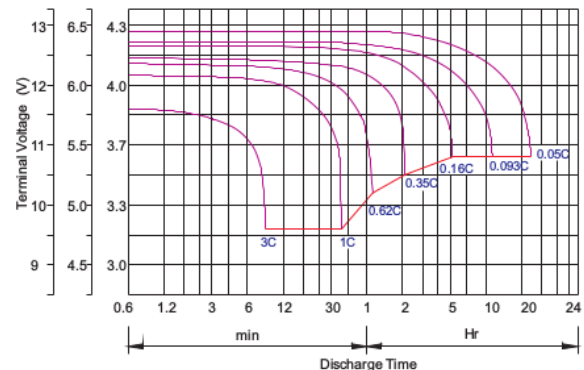
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	4509W	3119W	1454W	1020W	597W	315W
1.75 V	4680W	3218W	1499W	1052W	601W	317W
1.70 V	4797W	3283W	1510W	1059W	605W	319W
1.65 V	4948W	3369W	1520W	1067W	607W	320W
1.60 V	5049W	3420W	1529W	1073W	608W	321W

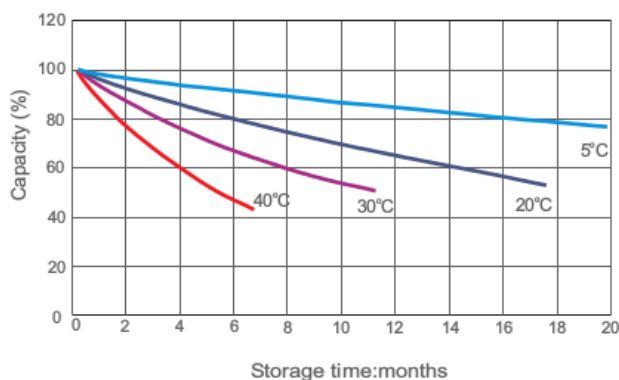
CHARGE CHARACTERISTICS



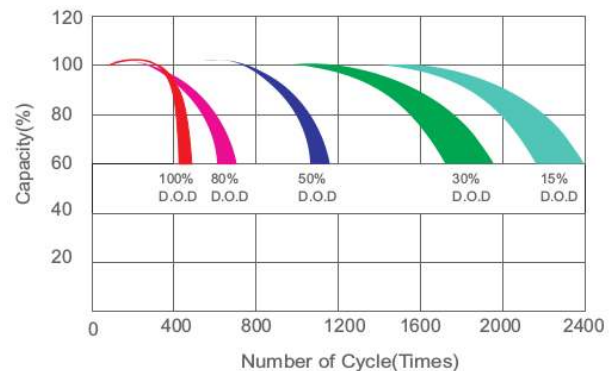
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	3000 Ah (C10)
Energy	6000 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	600 A
Max. Discharge Current	1600 A
Internal Resistance	0.12 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RXG2-3000** 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:

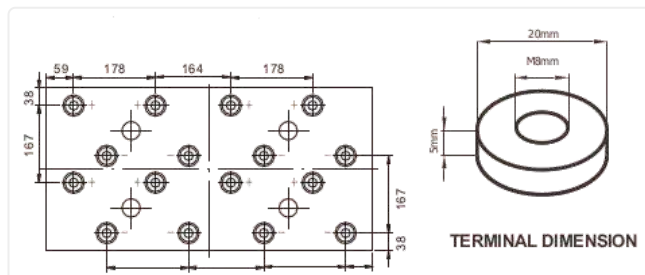
Length: 710 mm

Width: 350 mm

Height: 345 mm

Total Height: 382 mm

Weight: 180 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 600 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed gel battery, maintenance-free and leak-proof.

Charging: Keep to the stated charge voltage: gel is sensitive to overcharging.

Cycling: Recharge fully after every discharge; never leave it discharged.

Storage: Store charged, in a cool and dry place, and recharge periodically.

NEARBY MODELS

RXG2-2500 (2 V · 2500 Ah) · See all RXG series models

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