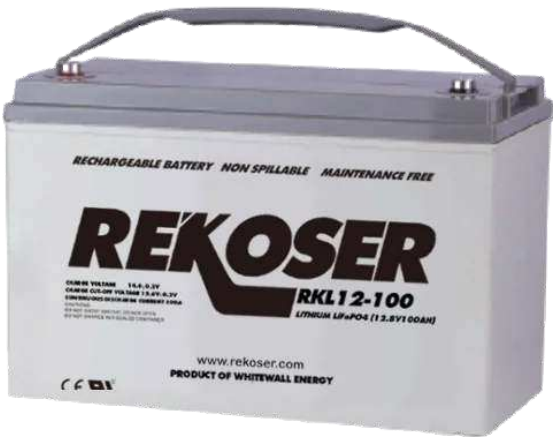


RLS Series – Lithium Standard

Energy density and ultra-fast charging.

Rekoser Lithium Iron Phosphate (LiFePO4) battery, a drop-in replacement for lead-acid. It delivers up to 20× the cyclic life and 60% less weight, with ultra-fast charging and a built-in BMS. Lithium's energy density and longevity for UPS, telecom, solar and mobility.



MODELS	NOMINAL VOLTAGE	CAPACITY	DESIGN LIFE
17	12.8 V, 24 V, 25.6 V	10–200 Ah	10 years
WARRANTY	CYCLE LIFE		
5 years	>2000 cycles @1C 100%DOD		

✓ Key features

- Drop-in replacement:** Takes the place of a lead-acid battery
- Cycle life:** Up to 20 times more cycles than lead
- Light:** 60% less weight
- Built-in BMS:** Protection and ultra-fast charging

⚙ Applications

- Solar/Wind Energy Systems**
Energy storage for deep-cycle photovoltaic and wind systems, ensuring stable power supply even during low generation periods.
- Telecommunications and Base Stations**
Critical backup for network infrastructures and mobile base stations in remote locations with extreme weather conditions.
- UPS and Data Centers**
- Light Electric Vehicles**
Light traction with daily cycling: golf carts, wheelchairs and utility vehicles.

✓ Standards and certifications

- CE CERTIFIED
- ISO 9001 / 14001
- IEC62133
- RoHS

 RLS 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
RLS12-10 (formerly RKL12-10)	12.8 V	10 Ah (C20)	151	98	95	1.4	F2
RLS12-12 (formerly RKL12-12)	12.8 V	12 Ah (C20)	151	98	95	1.7	T2
RLS12-18 (formerly RKL12-18)	12.8 V	18 Ah (C20)	181	77	167	2.7	T3
RLS12-20 (formerly RKL12-20)	12.8 V	20 Ah (C20)	181	77	167	3	T3
RLS12-26 (formerly RKL12-26)	12.8 V	26 Ah (C20)	175	166	125	4.2	M5
RLS12-33 (formerly RKL12-33)	12.8 V	33 Ah (C20)	195	130	180	4.8	T5
RLS12-40 (formerly RKL12-40)	12.8 V	40 Ah (C20)	197	165	170	5.75	M6
RLS12-55 (formerly RKL12-55)	12.8 V	55 Ah (C20)	257	132	200	8.12	M6
RLS12-65 (formerly RKL12-65)	12.8 V	65 Ah (C20)	259	168	208	9.3	M6
RLS12-75 (formerly RKL12-75)	12.8 V	75 Ah (C20)	259	168	208	10.3	M8
RLS12-100 (formerly RKL12-100)	12.8 V	100 Ah (C20)	342	173	212	13.6	M8
RLS12-150 (formerly RKL12-150)	12.8 V	150 Ah (C20)	483	170	238	16.5	M8
RLS12-165 (formerly RKL12-165)	12.8 V	165 Ah (C20)	483	170	238	18.4	M8
RLS12-200 (formerly RKL12-200)	12.8 V	200 Ah (C20)	522	240	224	29.6	M8
RLS24-40 (formerly RKL24-40)	24 V	40 Ah (C20)	270	250	200	13	M8
RLS25.6-20 (formerly RKL25.6-20)	25.6 V	20 Ah (C20)	198	166	176	5.8	M8
RLS25.6-120 (formerly RKL25.6-120)	25.6 V	120 Ah (C20)	484	170	241	21	M8

 Construction

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Terminal	Copper

Energy density and ultra-fast charging.

The RLS12-10 is a 12.8 V, 10 Ah (20-hour rate) LiFePO4 lithium battery from the Rekoser Lithium Standard series. It measures 151 × 98 × 95 mm and weighs 1.4 kg, with F2 terminals. It stores 128 Wh and delivers up to 30 A. Energy density and ultra-fast charging. Typical applications: Solar/Wind Energy Systems, Telecommunications and Base Stations, UPS and Data Centers and Light Electric Vehicles.

Formerly **RKL12-10**.

Nominal Voltage	12.8 V
Capacity (25°C)	10 Ah (C20)
Energy	128 Wh
Weight	1.4 kg
Terminal	F2
Dimensions	151 × 98 × 95 mm

MAIN ADVANTAGES

- ✓ **Drop-in replacement:** Takes the place of a lead-acid battery
- ✓ **Cycle life:** Up to 20 times more cycles than lead
- ✓ **Light:** 60% less weight
- ✓ **Built-in BMS:** Protection and ultra-fast charging

10
YEARS

LONG LIFE DESIGN

5
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



SOLAR/WIND ENERGY
SYSTEMS



TELECOMMUNICATIONS
AND BASE STATIONS



UPS AND DATA CENTERS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

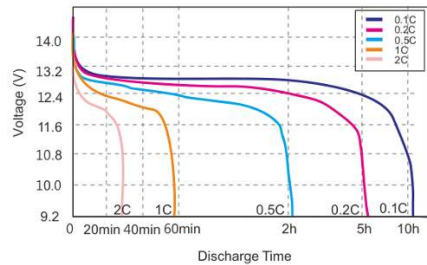
ISO 9001 / 14001

IEC62133

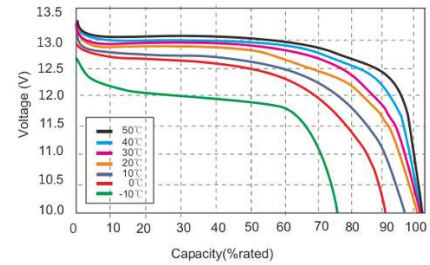
RoHS

GRAPHICS (25°C)

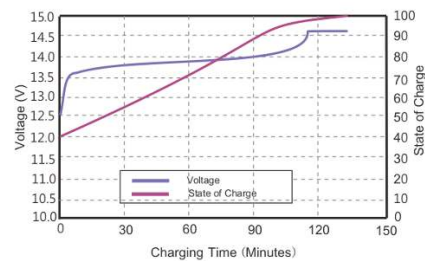
RATE DISCHARGE CHARACTERISTICS 25°C



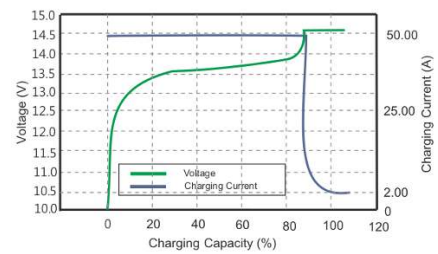
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



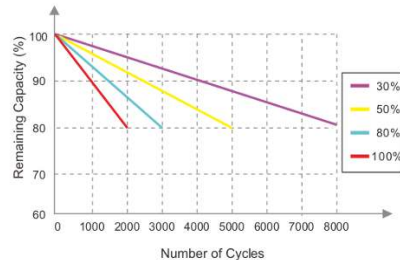
STATE OF CHARGE CURVE



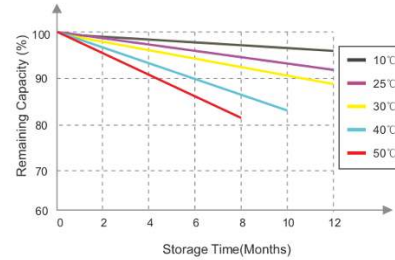
CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELF-DISCHARGE CHARACTERISTICS



SPECIFICATIONS

Nominal Voltage	12.8 V
Capacity (25°C)	10 Ah (C20)
Energy	128 Wh
Cell (Method)	26650 (4S3P)
Charge Voltage (25°C)	Cycle use: 14.6±0.2V
Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
Charger Current	5A
Charge Cut-off Voltage	15.6V±0.2V
Max. Charge Current	10 A
Continuous Discharge Current	20A
Max. Discharge Current	30 A (<3s)
Discharge Cut-off Voltage	8V
Internal Resistance	20 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Cycle Life	>2000 cycles @1C 100%DOD
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED
Water Dust Resistance	IP56

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RLS12-10** 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:

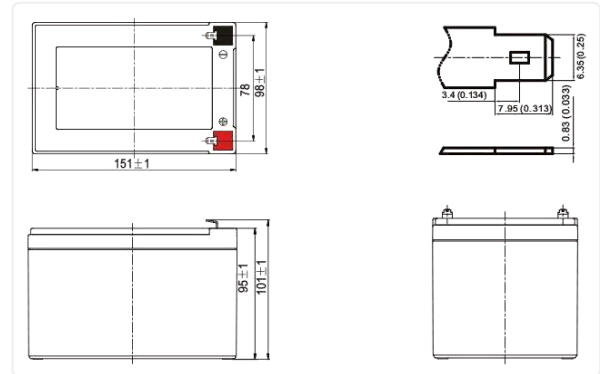
Length: 151 mm

Width: 98 mm

Height: 95 mm

Total Height: 95 mm

Weight: 1.4 kg



2. TERMINAL CONFIGURATION (F2)

Terminals: Ensure your system's connectors match the F2 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: 14.6±0.2V

Maximum Current: Do not exceed 10 A of charge.

4. SAFETY AND STORAGE

Maintenance: Maintenance-free. The built-in BMS protects the battery.

Charging: Use a LiFePO4 charger at the stated voltage; do not charge below 0 °C.

Storage: Store at partial charge, in a cool and dry place.

NEARBY MODELS

RLS12-12 (12.8 V · 12 Ah) · See all RLS series models

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

Energy density and ultra-fast charging.

The RLS12-12 is a 12.8 V, 12 Ah (20-hour rate) LiFePO4 lithium battery from the Rekoser Lithium Standard series. It measures 151 × 98 × 95 mm and weighs 1.7 kg, with T2 terminals. It stores 154 Wh and delivers up to 30 A. Energy density and ultra-fast charging. Typical applications: Solar/Wind Energy Systems, Telecommunications and Base Stations, UPS and Data Centers and Light Electric Vehicles.

Formerly **RKL12-12**.

Nominal Voltage	12.8 V
Capacity (25°C)	12 Ah (C20)
Energy	154 Wh
Weight	1.7 kg
Terminal	T2
Dimensions	151 × 98 × 95 mm

MAIN ADVANTAGES

- ✓ **Drop-in replacement:** Takes the place of a lead-acid battery
- ✓ **Cycle life:** Up to 20 times more cycles than lead
- ✓ **Light:** 60% less weight
- ✓ **Built-in BMS:** Protection and ultra-fast charging

10
YEARS

LONG LIFE DESIGN

5
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



SOLAR/WIND ENERGY
SYSTEMS



TELECOMMUNICATIONS
AND BASE STATIONS



UPS AND DATA CENTERS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

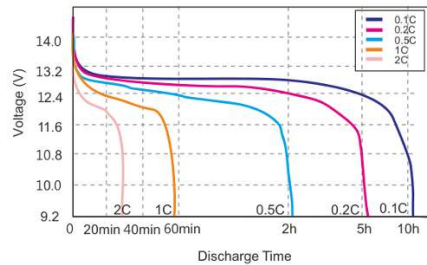
ISO 9001 / 14001

IEC62133

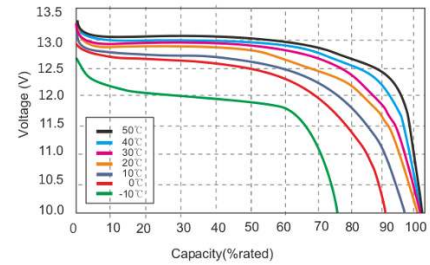
RoHS

GRAPHICS (25°C)

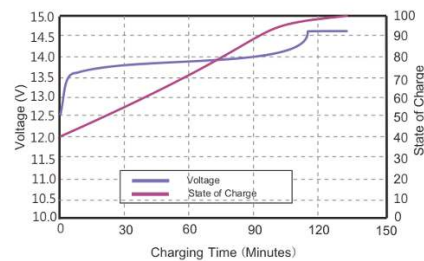
RATE DISCHARGE CHARACTERISTICS 25°C



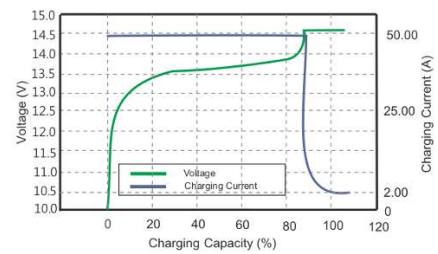
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



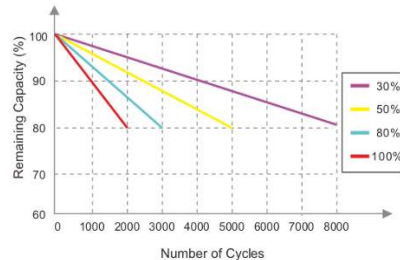
STATE OF CHARGE CURVE



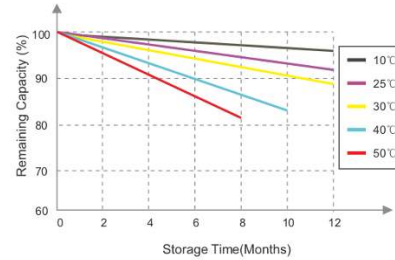
CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELF-DISCHARGE CHARACTERISTICS



SPECIFICATIONS

Nominal Voltage	12.8 V
Capacity (25°C)	12 Ah (C20)
Energy	154 Wh
Cell (Method)	26650 (4S8P)
Charge Voltage (25°C)	Cycle use: 14.6±0.2V
Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
Charger Current	6A
Charge Cut-off Voltage	15.6V±0.2V
Max. Charge Current	12 A
Continuous Discharge Current	24A
Max. Discharge Current	30 A (<3s)
Discharge Cut-off Voltage	8V
Internal Resistance	20 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Cycle Life	>2000 cycles @1C 100%DOD
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED
Water Dust Resistance	IP56

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RLS12-12** 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:

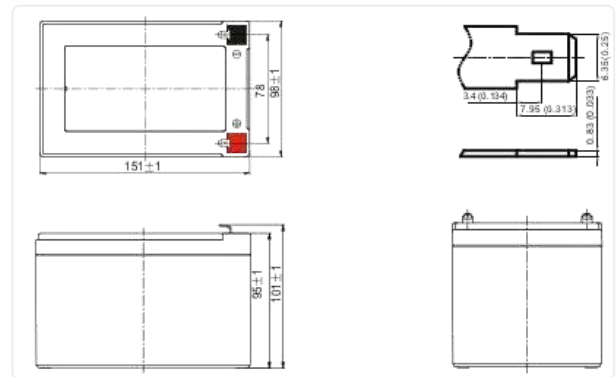
Length: 151 mm

Width: 98 mm

Height: 95 mm

Total Height: 95 mm

Weight: 1.7 kg



2. TERMINAL CONFIGURATION (T2)

Terminals: Ensure your system's connectors match the T2 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: 14.6 ± 0.2V

Maximum Current: Do not exceed 12 A of charge.

4. SAFETY AND STORAGE

Maintenance: Maintenance-free. The built-in BMS protects the battery.

Charging: Use a LiFePO4 charger at the stated voltage; do not charge below 0 °C.

Storage: Store at partial charge, in a cool and dry place.

NEARBY MODELS

RLS12-10 (12.8 V · 10 Ah) · **RLS12-18** (12.8 V · 18 Ah) · [See all RLS series models](#)

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

Energy density and ultra-fast charging.

The RLS12-18 is a 12.8 V, 18 Ah (20-hour rate) LiFePO4 lithium battery from the Rekoser Lithium Standard series. It measures 181 × 77 × 167 mm and weighs 2.7 kg, with T3 terminals. It stores 230 Wh and delivers up to 50 A. Energy density and ultra-fast charging. Typical applications: Solar/Wind Energy Systems, Telecommunications and Base Stations, UPS and Data Centers and Light Electric Vehicles.

Formerly **RKL12-18**.

Nominal Voltage	12.8 V
Capacity (25°C)	18 Ah (C20)
Energy	230 Wh
Weight	2.7 kg
Terminal	T3
Dimensions	181 × 77 × 167 mm

MAIN ADVANTAGES

- ✓ **Drop-in replacement:** Takes the place of a lead-acid battery
- ✓ **Cycle life:** Up to 20 times more cycles than lead
- ✓ **Light:** 60% less weight
- ✓ **Built-in BMS:** Protection and ultra-fast charging

10
YEARS

LONG LIFE DESIGN

5
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



SOLAR/WIND ENERGY
SYSTEMS



TELECOMMUNICATIONS
AND BASE STATIONS



UPS AND DATA CENTERS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

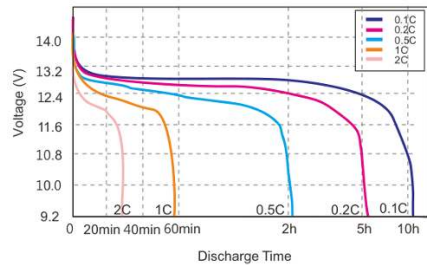
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IEC62133

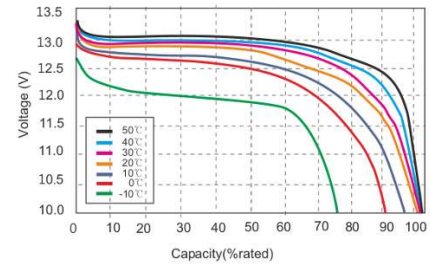
RoHS

GRAPHICS (25°C)

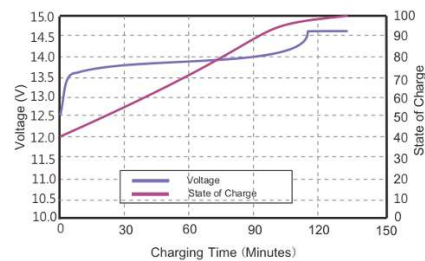
RATE DISCHARGE CHARACTERISTICS 25°C



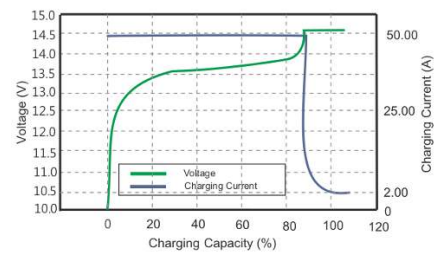
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



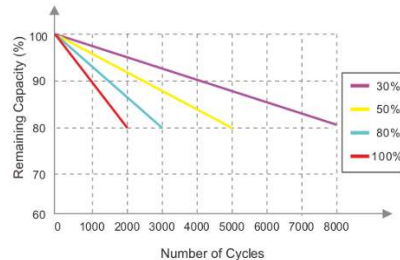
STATE OF CHARGE CURVE



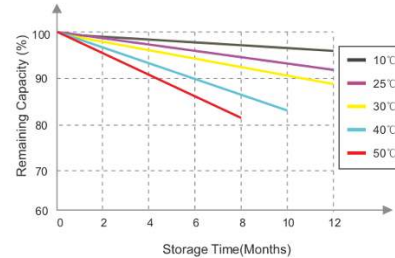
CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELF-DISCHARGE CHARACTERISTICS



SPECIFICATIONS

Nominal Voltage	12.8 V
Capacity (25°C)	18 Ah (C20)
Energy	230 Wh
Cell (Method)	26650 (4S6P)
Charge Voltage (25°C)	Cycle use: 14.6±0.2V
Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
Charger Current	9A
Charge Cut-off Voltage	15.6V±0.2V
Max. Charge Current	18 A
Continuous Discharge Current	36A
Max. Discharge Current	50 A (<3s)
Discharge Cut-off Voltage	8V
Internal Resistance	50 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Cycle Life	>2000 cycles @1C 100%DOD
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED
Water Dust Resistance	IP56

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RLS12-18** 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:

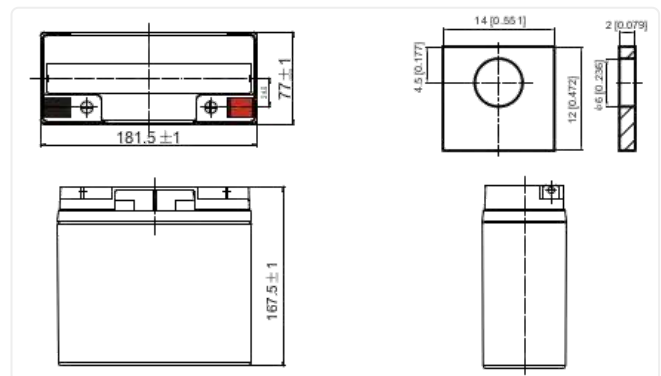
Length: 181 mm

Width: 77 mm

Height: 167 mm

Total Height: 167 mm

Weight: 2.7 kg



2. TERMINAL CONFIGURATION (T3)

Terminals: Ensure your system's connectors match the T3 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: 14.6 ± 0.2V

Maximum Current: Do not exceed 18 A of charge.

4. SAFETY AND STORAGE

Maintenance: Maintenance-free. The built-in BMS protects the battery.

Charging: Use a LiFePO4 charger at the stated voltage; do not charge below 0 °C.

Storage: Store at partial charge, in a cool and dry place.

NEARBY MODELS

RLS12-12 (12.8 V · 12 Ah) · **RLS12-20** (12.8 V · 20 Ah) · [See all RLS series models](#)

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

Energy density and ultra-fast charging.

The RLS12-20 is a 12.8 V, 20 Ah (20-hour rate) LiFePO4 lithium battery from the Rekoser Lithium Standard series. It measures 181 × 77 × 167 mm and weighs 3 kg, with T3 terminals. It stores 256 Wh and delivers up to 50 A. Energy density and ultra-fast charging. Typical applications: Solar/Wind Energy Systems, Telecommunications and Base Stations, UPS and Data Centers and Light Electric Vehicles.

Formerly **RKL12-20**.

Nominal Voltage	12.8 V
Capacity (25°C)	20 Ah (C20)
Energy	256 Wh
Weight	3 kg
Terminal	T3
Dimensions	181 × 77 × 167 mm

MAIN ADVANTAGES

- ✓ **Drop-in replacement:** Takes the place of a lead-acid battery
- ✓ **Cycle life:** Up to 20 times more cycles than lead
- ✓ **Light:** 60% less weight
- ✓ **Built-in BMS:** Protection and ultra-fast charging

10
YEARS

LONG LIFE DESIGN

5
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



SOLAR/WIND ENERGY
SYSTEMS



TELECOMMUNICATIONS
AND BASE STATIONS



UPS AND DATA CENTERS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

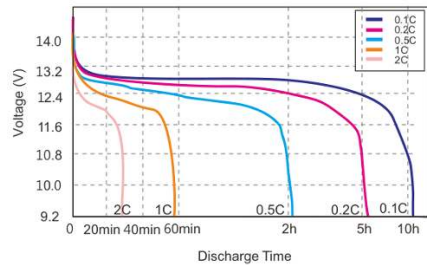
ISO 9001 / 14001

IEC62133

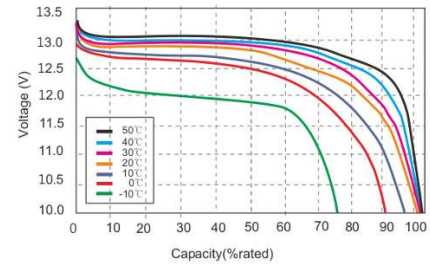
RoHS

GRAPHICS (25°C)

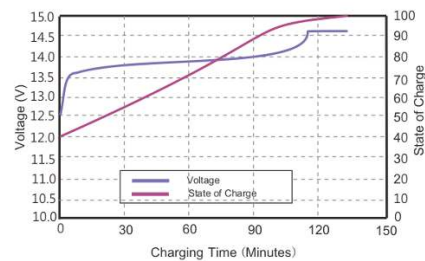
RATE DISCHARGE CHARACTERISTICS 25°C



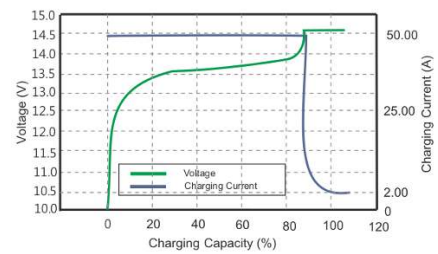
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



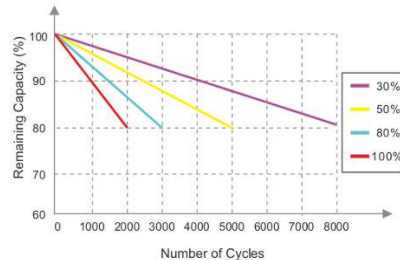
STATE OF CHARGE CURVE



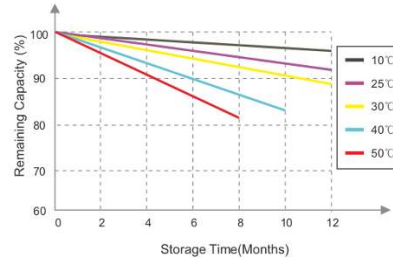
CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELFDISCHARGE CHARACTERISTICS



SPECIFICATIONS

Nominal Voltage	12.8 V
Capacity (25°C)	20 Ah (C20)
Energy	256 Wh
Cell (Method)	26650 (4S6P)
Charge Voltage (25°C)	Cycle use: 14.6±0.2V
Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
Charger Current	10A
Charge Cut-off Voltage	15.6V±0.2V
Max. Charge Current	20 A
Continuous Discharge Current	40A
Max. Discharge Current	50 A (<3s)
Discharge Cut-off Voltage	8V
Internal Resistance	50 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Cycle Life	>2000 cycles @1C 100%DOD
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED
Water Dust Resistance	IP56

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RLS12-20** 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:

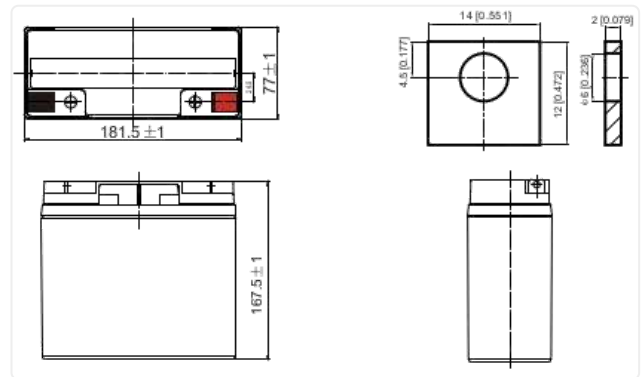
Length: 181 mm

Width: 77 mm

Height: 167 mm

Total Height: 167 mm

Weight: 3 kg



2. TERMINAL CONFIGURATION (T3)

Terminals: Ensure your system's connectors match the T3 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: 14.6±0.2V

Maximum Current: Do not exceed 20 A of charge.

4. SAFETY AND STORAGE

Maintenance: Maintenance-free. The built-in BMS protects the battery.

Charging: Use a LiFePO4 charger at the stated voltage; do not charge below 0 °C.

Storage: Store at partial charge, in a cool and dry place.

NEARBY MODELS

RLS12-18 (12.8 V · 18 Ah) · **RLS12-26** (12.8 V · 26 Ah) · [See all RLS series models](#)

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Energy density and ultra-fast charging.

The RLS12-26 is a 12.8 V, 26 Ah (20-hour rate) LiFePO4 lithium battery from the Rekoser Lithium Standard series. It measures 175 × 166 × 125 mm and weighs 4.2 kg, with M5 terminals. It stores 333 Wh and delivers up to 40 A. Energy density and ultra-fast charging. Typical applications: Solar/Wind Energy Systems, Telecommunications and Base Stations, UPS and Data Centers and Light Electric Vehicles.

Formerly **RKL12-26**.

Nominal Voltage	12.8 V
Capacity (25°C)	26 Ah (C20)
Energy	333 Wh
Weight	4.2 kg
Terminal	M5
Dimensions	175 × 166 × 125 mm

MAIN ADVANTAGES

- ✓ **Drop-in replacement:** Takes the place of a lead-acid battery
- ✓ **Cycle life:** Up to 20 times more cycles than lead
- ✓ **Light:** 60% less weight
- ✓ **Built-in BMS:** Protection and ultra-fast charging

10
YEARS

LONG LIFE DESIGN

5
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



SOLAR/WIND ENERGY
SYSTEMS



TELECOMMUNICATIONS
AND BASE STATIONS



UPS AND DATA CENTERS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

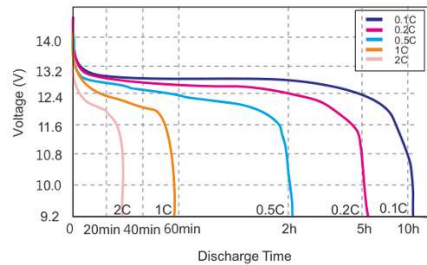
ISO 9001 / 14001

IEC62133

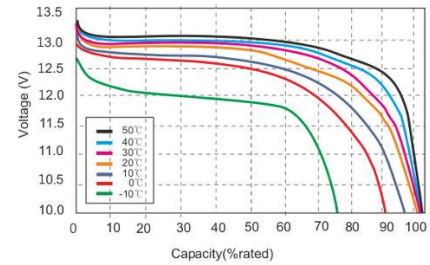
RoHS

GRAPHICS (25°C)

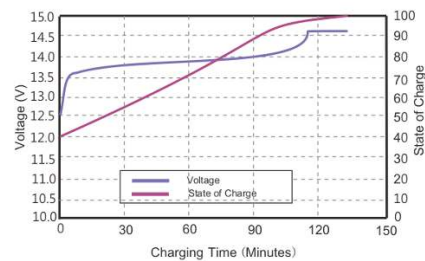
RATE DISCHARGE CHARACTERISTICS 25°C



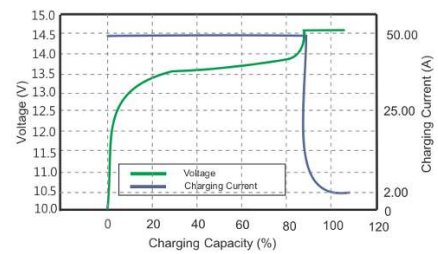
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



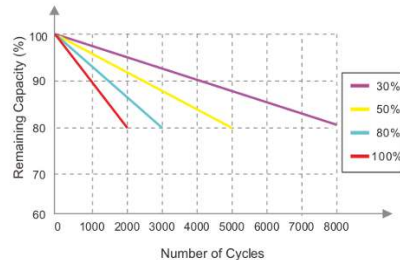
STATE OF CHARGE CURVE



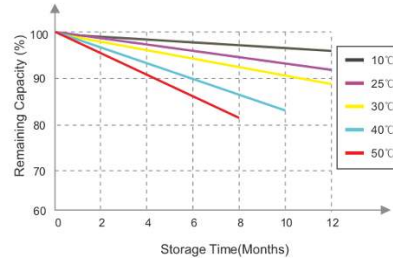
CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELF-DISCHARGE CHARACTERISTICS



SPECIFICATIONS

Nominal Voltage	12.8 V
Capacity (25°C)	26 Ah (C20)
Energy	333 Wh
Cell (Method)	26650 (4S9P)
Charge Voltage (25°C)	Cycle use: 14.6±0.2V
Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
Charger Current	20A
Charge Cut-off Voltage	15.6V±0.2V
Max. Charge Current	30 A
Continuous Discharge Current	30A
Max. Discharge Current	40 A (<3s)
Discharge Cut-off Voltage	8V
Internal Resistance	40 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Cycle Life	>2000 cycles @1C 100%DOD
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED
Water Dust Resistance	IP56

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RLS12-26** 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:

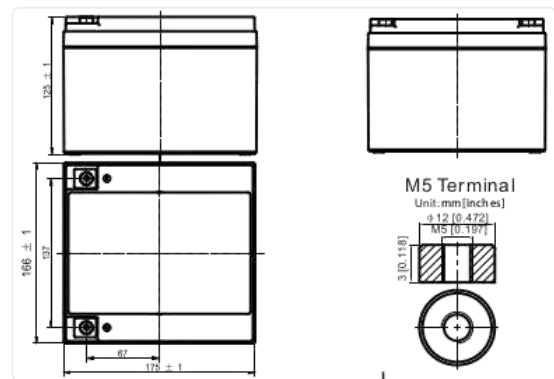
Length: 175 mm

Width: 166 mm

Height: 125 mm

Total Height: 125 mm

Weight: 4.2 kg



2. TERMINAL CONFIGURATION (M5)

Terminals: Ensure your system's connectors match the M5 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: 14.6±0.2V

Maximum Current: Do not exceed 30 A of charge.

4. SAFETY AND STORAGE

Maintenance: Maintenance-free. The built-in BMS protects the battery.

Charging: Use a LiFePO4 charger at the stated voltage; do not charge below 0 °C.

Storage: Store at partial charge, in a cool and dry place.

NEARBY MODELS

RLS12-20 (12.8 V · 20 Ah) · **RLS12-33** (12.8 V · 33 Ah) · [See all RLS series models](#)

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Energy density and ultra-fast charging.

The RLS12-33 is a 12.8 V, 33 Ah (20-hour rate) LiFePO4 lithium battery from the Rekoser Lithium Standard series. It measures 195 × 130 × 180 mm and weighs 4.8 kg, with T5 terminals. It stores 422 Wh and delivers up to 60 A. Energy density and ultra-fast charging. Typical applications: Solar/Wind Energy Systems, Telecommunications and Base Stations, UPS and Data Centers and Light Electric Vehicles.

Formerly **RKL12-33**.

Nominal Voltage	12.8 V
Capacity (25°C)	33 Ah (C20)
Energy	422 Wh
Weight	4.8 kg
Terminal	T5
Dimensions	195 × 130 × 180 mm

MAIN ADVANTAGES

- ✓ **Drop-in replacement:** Takes the place of a lead-acid battery
- ✓ **Cycle life:** Up to 20 times more cycles than lead
- ✓ **Light:** 60% less weight
- ✓ **Built-in BMS:** Protection and ultra-fast charging

10
YEARS

LONG LIFE DESIGN

5
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



SOLAR/WIND ENERGY
SYSTEMS



TELECOMMUNICATIONS
AND BASE STATIONS



UPS AND DATA CENTERS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

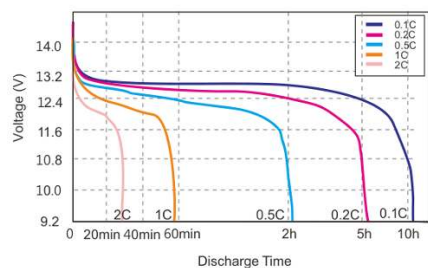
ISO 9001 / 14001

IEC62133

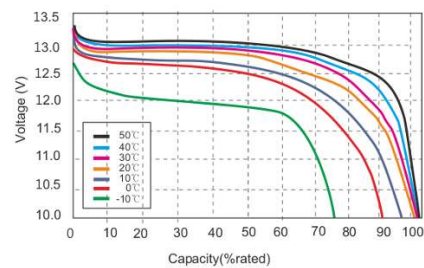
RoHS

GRAPHICS (25°C)

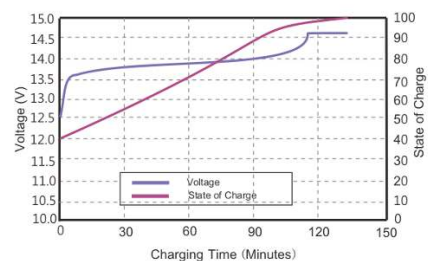
RATE DISCHARGE CHARACTERISTICS 25°C



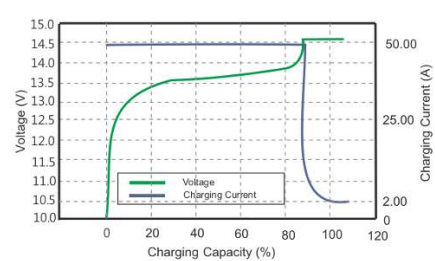
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



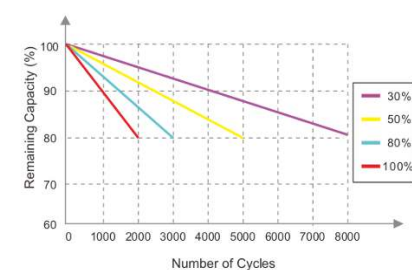
STATE OF CHARGE CURVE



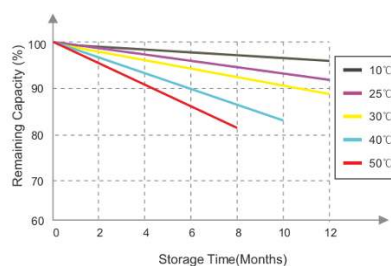
CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELF-DISCHARGE CHARACTERISTICS



SPECIFICATIONS

Nominal Voltage	12.8 V
Capacity (25°C)	33 Ah (C20)
Energy	422 Wh
Cell (Method)	26650 (4S10P)
Charge Voltage (25°C)	Cycle use: 14.6±0.2V
Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
Charger Current	16A
Charge Cut-off Voltage	15.6V±0.2V
Max. Charge Current	33 A
Continuous Discharge Current	50A
Max. Discharge Current	60 A (<3s)
Discharge Cut-off Voltage	8V
Internal Resistance	40 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Cycle Life	>2000 cycles @1C 100%DOD
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED
Water Dust Resistance	IP56

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RLS12-33** 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:

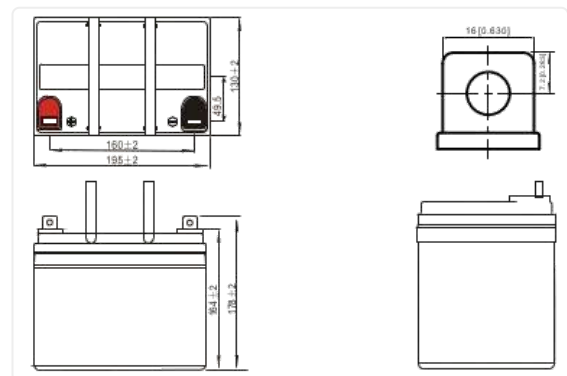
Length: 195 mm

Width: 130 mm

Height: 180 mm

Total Height: 180 mm

Weight: 4.8 kg



2. TERMINAL CONFIGURATION (T5)

Terminals: Ensure your system's connectors match the T5 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: $14.6 \pm 0.2V$

Maximum Current: Do not exceed 33 A of charge.

4. SAFETY AND STORAGE

Maintenance: Maintenance-free. The built-in BMS protects the battery.

Charging: Use a LiFePO4 charger at the stated voltage; do not charge below 0 °C.

Storage: Store at partial charge, in a cool and dry place.

NEARBY MODELS

RLS12-26 (12.8 V · 26 Ah) · **RLS12-40** (12.8 V · 40 Ah) · [See all RLS series models](#)

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Energy density and ultra-fast charging.

The RLS12-40 is a 12.8 V, 40 Ah (20-hour rate) LiFePO4 lithium battery from the Rekoser Lithium Standard series. It measures 197 × 165 × 170 mm and weighs 5.75 kg, with M6 terminals. It stores 512 Wh and delivers up to 80 A. Energy density and ultra-fast charging. Typical applications: Solar/Wind Energy Systems, Telecommunications and Base Stations, UPS and Data Centers and Light Electric Vehicles.

Formerly **RKL12-40**.

Nominal Voltage	12.8 V
Capacity (25°C)	40 Ah (C20)
Energy	512 Wh
Weight	5.75 kg
Terminal	M6
Dimensions	197 × 165 × 170 mm

MAIN ADVANTAGES

- ✓ **Drop-in replacement:** Takes the place of a lead-acid battery
- ✓ **Cycle life:** Up to 20 times more cycles than lead
- ✓ **Light:** 60% less weight
- ✓ **Built-in BMS:** Protection and ultra-fast charging

10
YEARS

LONG LIFE DESIGN

5
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



SOLAR/WIND ENERGY
SYSTEMS



TELECOMMUNICATIONS
AND BASE STATIONS



UPS AND DATA CENTERS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

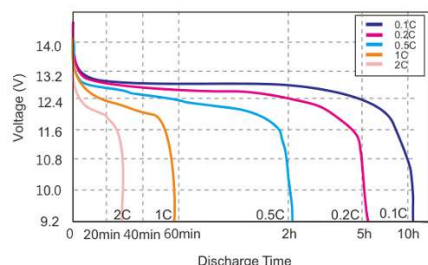
ISO 9001 / 14001

IEC62133

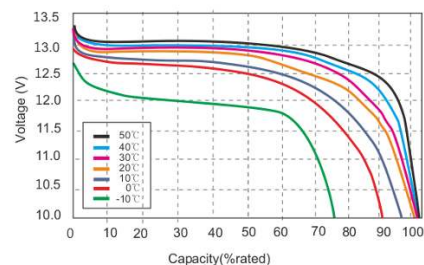
RoHS

GRAPHICS (25°C)

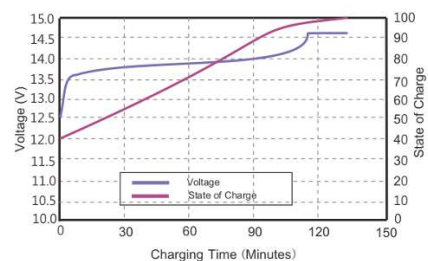
RATE DISCHARGE CHARACTERISTICS 25°C



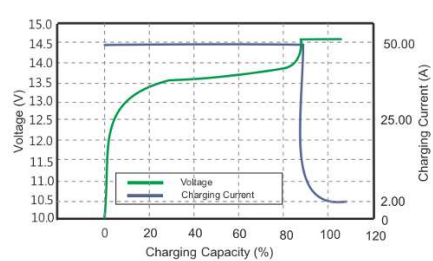
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



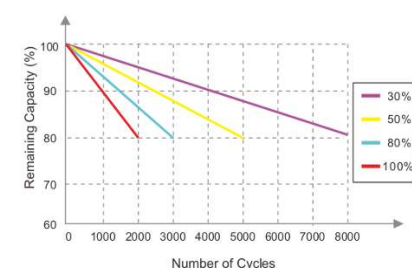
STATE OF CHARGE CURVE



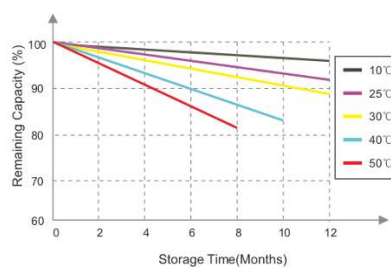
CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELF-DISCHARGE CHARACTERISTICS



SPECIFICATIONS

Nominal Voltage	12.8 V
Capacity (25°C)	40 Ah (C20)
Energy	512 Wh
Cell (Method)	26650 (4S13P)
Charge Voltage (25°C)	Cycle use: 14.6±0.2V
Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
Charger Current	20A
Charge Cut-off Voltage	15.6V±0.2V
Max. Charge Current	40 A
Continuous Discharge Current	70A
Max. Discharge Current	80 A (<3s)
Discharge Cut-off Voltage	8V
Internal Resistance	30 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Cycle Life	>2000 cycles @1C 100%DOD
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED
Water Dust Resistance	IP56

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RLS12-40** 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:

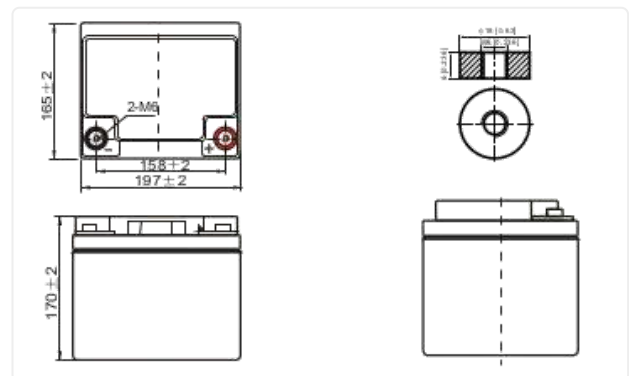
Length: 197 mm

Width: 165 mm

Height: 170 mm

Total Height: 170 mm

Weight: 5.75 kg



2. TERMINAL CONFIGURATION (M6)

Terminals: Ensure your system's connectors match the M6 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: 14.6±0.2V

Maximum Current: Do not exceed 40 A of charge.

4. SAFETY AND STORAGE

Maintenance: Maintenance-free. The built-in BMS protects the battery.

Charging: Use a LiFePO4 charger at the stated voltage; do not charge below 0 °C.

Storage: Store at partial charge, in a cool and dry place.

NEARBY MODELS

RLS12-33 (12.8 V · 33 Ah) · **RLS12-55** (12.8 V · 55 Ah) · [See all RLS series models](#)

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Energy density and ultra-fast charging.

The RLS12-55 is a 12.8 V, 55 Ah (20-hour rate) LiFePO4 lithium battery from the Rekoser Lithium Standard series. It measures 257 × 132 × 200 mm and weighs 8.12 kg, with M6 terminals. It stores 704 Wh and delivers up to 80 A. Energy density and ultra-fast charging. Typical applications: Solar/Wind Energy Systems, Telecommunications and Base Stations, UPS and Data Centers and Light Electric Vehicles.

Formerly RKL12-55.

Nominal Voltage	12.8 V
Capacity (25°C)	55 Ah (C20)
Energy	704 Wh
Weight	8.12 kg
Terminal	M6
Dimensions	257 × 132 × 200 mm

MAIN ADVANTAGES

- ✓ **Drop-in replacement:** Takes the place of a lead-acid battery
- ✓ **Cycle life:** Up to 20 times more cycles than lead
- ✓ **Light:** 60% less weight
- ✓ **Built-in BMS:** Protection and ultra-fast charging

10
YEARS

LONG LIFE DESIGN

5
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



SOLAR/WIND ENERGY
SYSTEMS



TELECOMMUNICATIONS
AND BASE STATIONS



UPS AND DATA CENTERS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

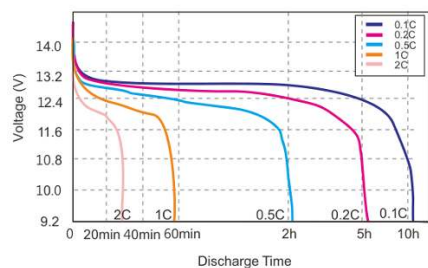
ISO 9001 / 14001

IEC62133

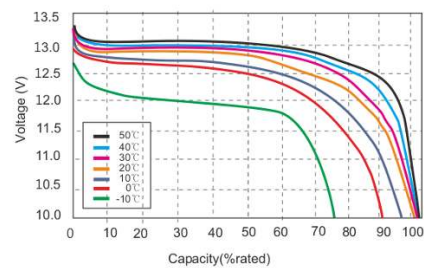
RoHS

GRAPHICS (25°C)

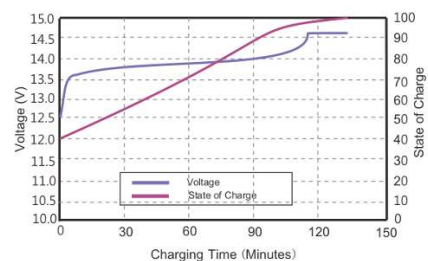
RATE DISCHARGE CHARACTERISTICS 25°C



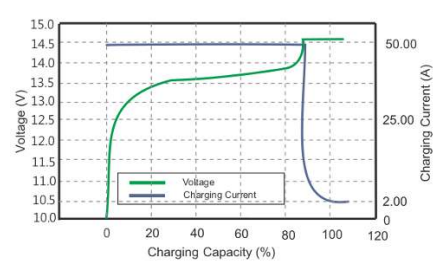
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



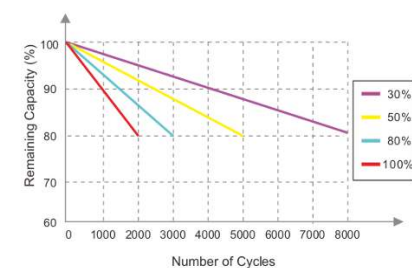
STATE OF CHARGE CURVE



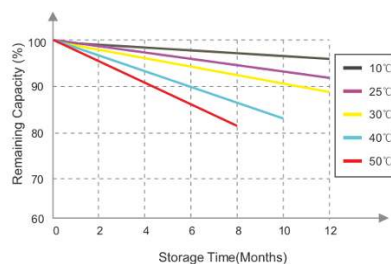
CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELFDISCHARGE CHARACTERISTICS



SPECIFICATIONS

Nominal Voltage	12.8 V
Capacity (25°C)	55 Ah (C20)
Energy	704 Wh
Cell (Method)	26650 (4S18P)
Charge Voltage (25°C)	Cycle use: 14.6±0.2V
Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
Charger Current	25A
Charge Cut-off Voltage	15.6V±0.2V
Max. Charge Current	55 A
Continuous Discharge Current	70A
Max. Discharge Current	80 A (<3s)
Discharge Cut-off Voltage	8V
Internal Resistance	30 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Cycle Life	>2000 cycles @1C 100%DOD
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED
Water Dust Resistance	IP56

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RLS12-55** 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:

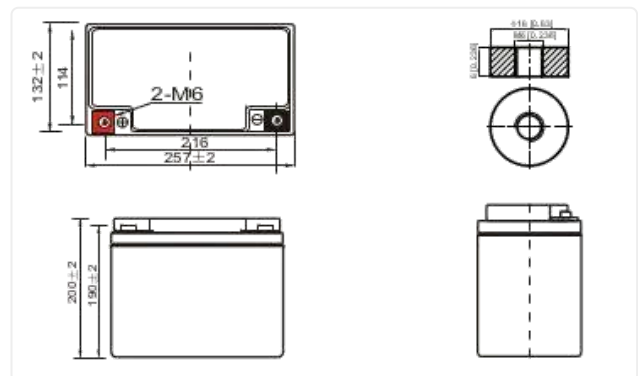
Length: 257 mm

Width: 132 mm

Height: 200 mm

Total Height: 200 mm

Weight: 8.12 kg



2. TERMINAL CONFIGURATION (M6)

Terminals: Ensure your system's connectors match the M6 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: 14.6 ± 0.2V

Maximum Current: Do not exceed 55 A of charge.

4. SAFETY AND STORAGE

Maintenance: Maintenance-free. The built-in BMS protects the battery.

Charging: Use a LiFePO4 charger at the stated voltage; do not charge below 0 °C.

Storage: Store at partial charge, in a cool and dry place.

NEARBY MODELS

RLS12-40 (12.8 V · 40 Ah) · **RLS12-65** (12.8 V · 65 Ah) · [See all RLS series models](#)

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Energy density and ultra-fast charging.

The RLS12-65 is a 12.8 V, 65 Ah (20-hour rate) LiFePO4 lithium battery from the Rekoser Lithium Standard series. It measures 259 × 168 × 208 mm and weighs 9.3 kg, with M6 terminals. It stores 832 Wh and delivers up to 80 A. Energy density and ultra-fast charging. Typical applications: Solar/Wind Energy Systems, Telecommunications and Base Stations, UPS and Data Centers and Light Electric Vehicles.

Formerly **RKL12-65**.

Nominal Voltage	12.8 V
Capacity (25°C)	65 Ah (C20)
Energy	832 Wh
Weight	9.3 kg
Terminal	M6
Dimensions	259 × 168 × 208 mm

MAIN ADVANTAGES

- ✓ **Drop-in replacement:** Takes the place of a lead-acid battery
- ✓ **Cycle life:** Up to 20 times more cycles than lead
- ✓ **Light:** 60% less weight
- ✓ **Built-in BMS:** Protection and ultra-fast charging

10
YEARS

LONG LIFE DESIGN

5
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



SOLAR/WIND ENERGY
SYSTEMS



TELECOMMUNICATIONS
AND BASE STATIONS



UPS AND DATA CENTERS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

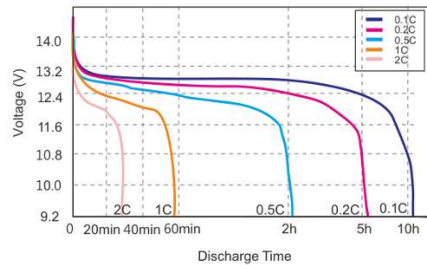
ISO 9001 / 14001

IEC62133

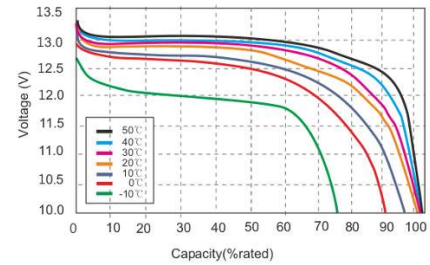
RoHS

GRAPHICS (25°C)

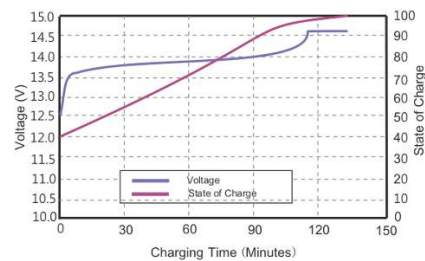
RATE DISCHARGE CHARACTERISTICS 25°C



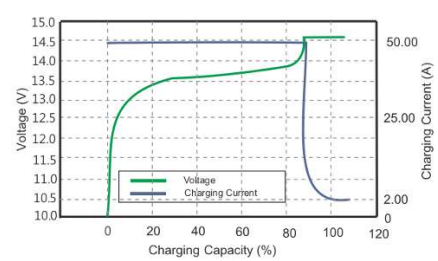
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



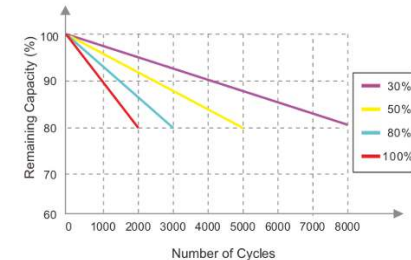
STATE OF CHARGE CURVE



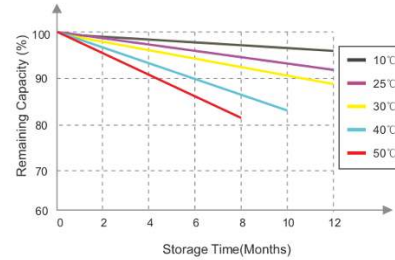
CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELF-DISCHARGE CHARACTERISTICS



SPECIFICATIONS

Nominal Voltage	12.8 V
Capacity (25°C)	65 Ah (C20)
Energy	832 Wh
Cell (Method)	26650 (4S22P)
Charge Voltage (25°C)	Cycle use: 14.6±0.2V
Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
Charger Current	40A
Charge Cut-off Voltage	15.6V±0.2V
Max. Charge Current	65 A
Continuous Discharge Current	65A
Max. Discharge Current	80 A (<3s)
Discharge Cut-off Voltage	8V
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Cycle Life	>2000 cycles @1C 100%DOD
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED
Water Dust Resistance	IP56

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RLS12-65** 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:

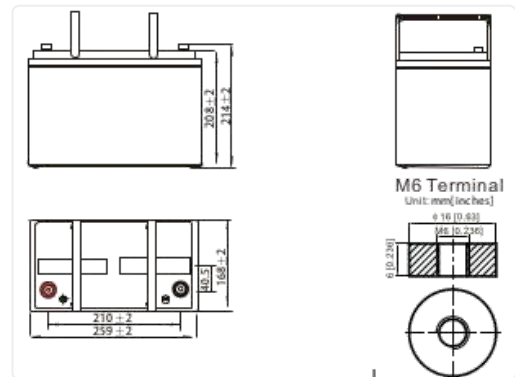
Length: 259 mm

Width: 168 mm

Height: 208 mm

Total Height: 208 mm

Weight: 9.3 kg



2. TERMINAL CONFIGURATION (M6)

Terminals: Ensure your system's connectors match the M6 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: $14.6 \pm 0.2V$

Maximum Current: Do not exceed 65 A of charge.

4. SAFETY AND STORAGE

Maintenance: Maintenance-free. The built-in BMS protects the battery.

Charging: Use a LiFePO4 charger at the stated voltage; do not charge below $0^{\circ}C$.

Storage: Store at partial charge, in a cool and dry place.

NEARBY MODELS

RLS12-55 (12.8 V · 55 Ah) · **RLS12-75** (12.8 V · 75 Ah) · [See all RLS series models](#)

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

Energy density and ultra-fast charging.

The RLS12-75 is a 12.8 V, 75 Ah (20-hour rate) LiFePO4 lithium battery from the Rekoser Lithium Standard series. It measures 259 × 168 × 208 mm and weighs 10.3 kg, with M8 terminals. It stores 960 Wh and delivers up to 75 A. Energy density and ultra-fast charging. Typical applications: Solar/Wind Energy Systems, Telecommunications and Base Stations, UPS and Data Centers and Light Electric Vehicles.

Formerly **RKL12-75**.

Nominal Voltage	12.8 V
Capacity (25°C)	75 Ah (C20)
Energy	960 Wh
Weight	10.3 kg
Terminal	M8
Dimensions	259 × 168 × 208 mm

MAIN ADVANTAGES

- ✓ **Drop-in replacement:** Takes the place of a lead-acid battery
- ✓ **Cycle life:** Up to 20 times more cycles than lead
- ✓ **Light:** 60% less weight
- ✓ **Built-in BMS:** Protection and ultra-fast charging

10
YEARS

LONG LIFE DESIGN

5
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



SOLAR/WIND ENERGY
SYSTEMS



TELECOMMUNICATIONS
AND BASE STATIONS



UPS AND DATA CENTERS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

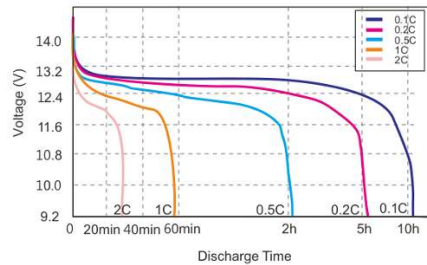
ISO 9001 / 14001

IEC62133

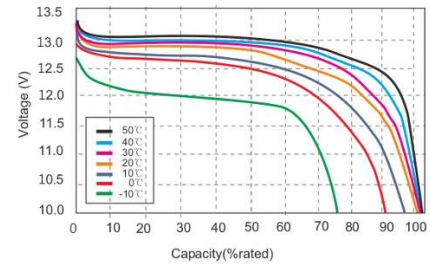
RoHS

GRAPHICS (25°C)

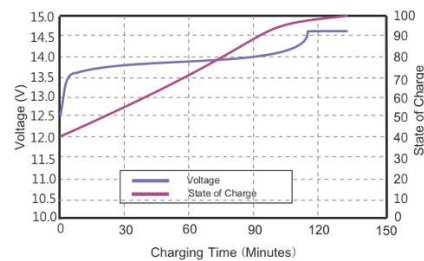
RATE DISCHARGE CHARACTERISTICS 25°C



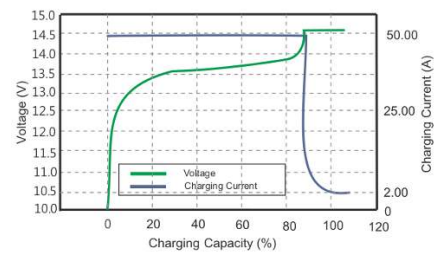
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



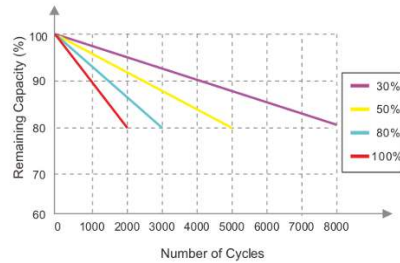
STATE OF CHARGE CURVE



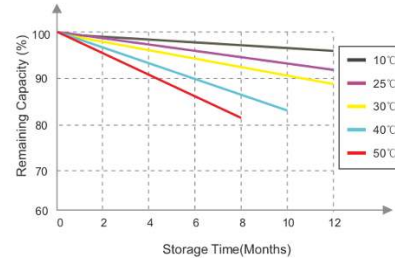
CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELFDISCHARGE CHARACTERISTICS



SPECIFICATIONS

Nominal Voltage	12.8 V
Capacity (25°C)	75 Ah (C20)
Energy	960 Wh
Cell (Method)	26650 (4S32P)
Charge Voltage (25°C)	Cycle use: 14.4±0.15V
Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
Charger Current	15A
Charge Cut-off Voltage	15.6V±0.2V
Max. Charge Current	38 A
Continuous Discharge Current	38A
Max. Discharge Current	75 A (<5min)
Discharge Cut-off Voltage	10V
Internal Resistance	40 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Cycle Life	>2000 cycles @1C 100%DOD
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED
Water Dust Resistance	IP56

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RLS12-75** 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: 259 mm

Width: 168 mm

Height: 208 mm

Total Height: 212 mm

Weight: 10.3 kg

2. TERMINAL CONFIGURATION (M8)

Terminals: Ensure your system's connectors match the M8 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: 14.4±0.15V

Maximum Current: Do not exceed 38 A of charge.

4. SAFETY AND STORAGE

Maintenance: Maintenance-free. The built-in BMS protects the battery.

Storage: Store at partial charge, in a cool and dry place.

Charging: Use a LiFePO4 charger at the stated voltage; do not charge below 0 °C.

NEARBY MODELS

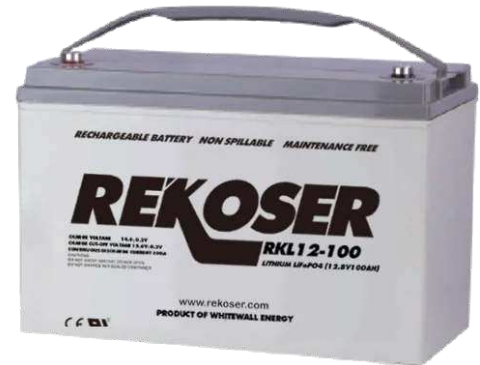
RLS12-65 (12.8 V · 65 Ah) · **RLS12-100** (12.8 V · 100 Ah) · [See all RLS series models](#)

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

Energy density and ultra-fast charging.

The RLS12-100 is a 12.8 V, 100 Ah (20-hour rate) LiFePO4 lithium battery from the Rekoser Lithium Standard series. It measures 342 × 173 × 212 mm and weighs 13.6 kg, with M8 terminals. It stores 1.28 kWh and delivers up to 120 A. Energy density and ultra-fast charging. Typical applications: Solar/Wind Energy Systems, Telecommunications and Base Stations, UPS and Data Centers and Light Electric Vehicles.

Formerly **RKL12-100**.



MAIN ADVANTAGES

- ✓ **Drop-in replacement:** Takes the place of a lead-acid battery
- ✓ **Cycle life:** Up to 20 times more cycles than lead
- ✓ **Light:** 60% less weight
- ✓ **Built-in BMS:** Protection and ultra-fast charging

Nominal Voltage	12.8 V
Capacity (25°C)	100 Ah (C20)
Energy	1280 Wh
Weight	13.6 kg
Terminal	M8
Dimensions	342 × 173 × 212 mm

10
YEARS

LONG LIFE DESIGN

5
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



SOLAR/WIND ENERGY
SYSTEMS



TELECOMMUNICATIONS
AND BASE STATIONS



UPS AND DATA CENTERS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

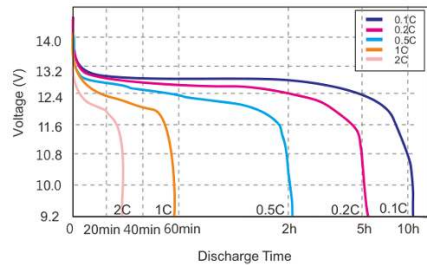
ISO 9001 / 14001

IEC62133

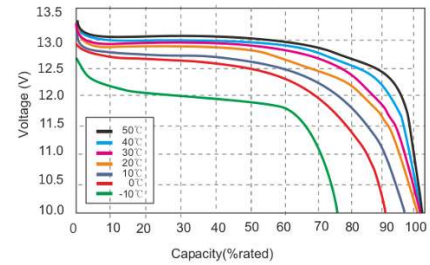
RoHS

GRAPHICS (25°C)

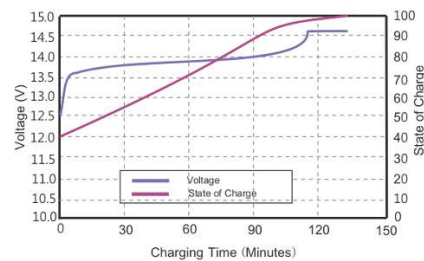
RATE DISCHARGE CHARACTERISTICS 25°C



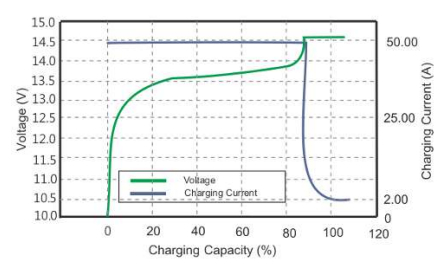
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



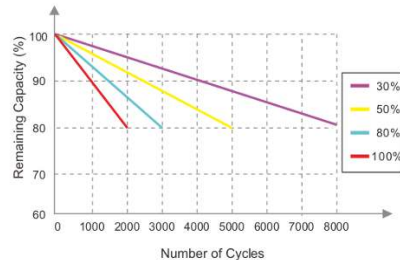
STATE OF CHARGE CURVE



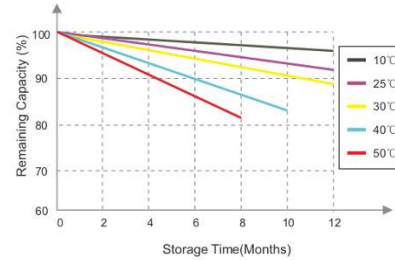
CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELF-DISCHARGE CHARACTERISTICS



SPECIFICATIONS

Nominal Voltage	12.8 V
Capacity (25°C)	100 Ah (C20)
Energy	1280 Wh
Cell (Method)	26650 (4S32P)
Charge Voltage (25°C)	Cycle use: 14.6±0.2V
Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
Charger Current	50A
Charge Cut-off Voltage	15.6V±0.2V
Max. Charge Current	100 A
Continuous Discharge Current	100A
Max. Discharge Current	120 A (<3s)
Discharge Cut-off Voltage	8V
Internal Resistance	20 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Cycle Life	>2000 cycles @1C 100%DOD
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED
Water Dust Resistance	IP56

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RLS12-100** 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:

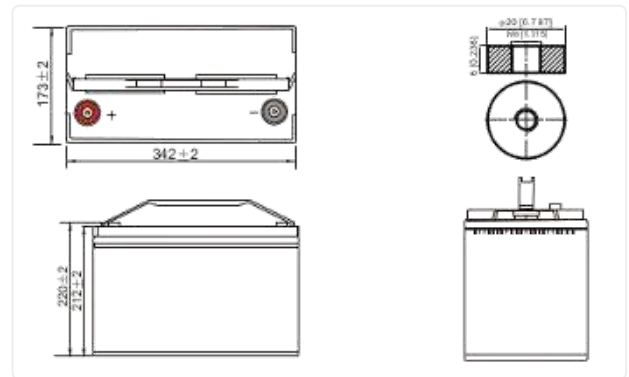
Length: 342 mm

Width: 173 mm

Height: 212 mm

Total Height: 212 mm

Weight: 13.6 kg



2. TERMINAL CONFIGURATION (M8)

Terminals: Ensure your system's connectors match the M8 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: 14.6±0.2V

Maximum Current: Do not exceed 100 A of charge.

4. SAFETY AND STORAGE

Maintenance: Maintenance-free. The built-in BMS protects the battery.

Charging: Use a LiFePO4 charger at the stated voltage; do not charge below 0 °C.

Storage: Store at partial charge, in a cool and dry place.

NEARBY MODELS

RLS12-75 (12.8 V · 75 Ah) · **RLS12-150** (12.8 V · 150 Ah) · See all RLS series models

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Energy density and ultra-fast charging.

The RLS12-150 is a 12.8 V, 150 Ah (20-hour rate) LiFePO4 lithium battery from the Rekoser Lithium Standard series. It measures 483 × 170 × 238 mm and weighs 16.5 kg, with M8 terminals. It stores 1.92 kWh and delivers up to 140 A. Energy density and ultra-fast charging. Typical applications: Solar/Wind Energy Systems, Telecommunications and Base Stations, UPS and Data Centers and Light Electric Vehicles.

Formerly RKL12-150.

Nominal Voltage	12.8 V
Capacity (25°C)	150 Ah (C20)
Energy	1920 Wh
Weight	16.5 kg
Terminal	M8
Dimensions	483 × 170 × 238 mm

MAIN ADVANTAGES

- ✓ **Drop-in replacement:** Takes the place of a lead-acid battery
- ✓ **Cycle life:** Up to 20 times more cycles than lead
- ✓ **Light:** 60% less weight
- ✓ **Built-in BMS:** Protection and ultra-fast charging

10
YEARS

LONG LIFE DESIGN

5
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



SOLAR/WIND ENERGY
SYSTEMS



TELECOMMUNICATIONS
AND BASE STATIONS



UPS AND DATA CENTERS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

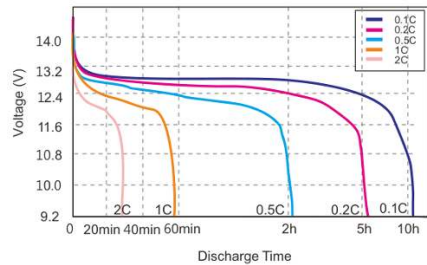
ISO 9001 / 14001

IEC62133

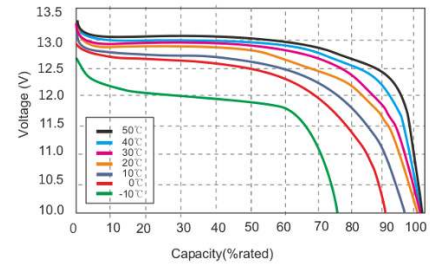
RoHS

GRAPHICS (25°C)

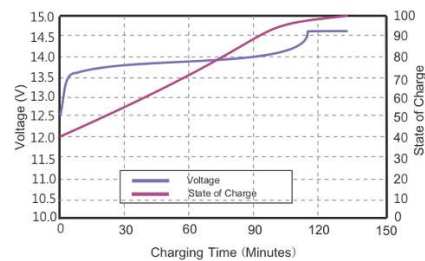
RATE DISCHARGE CHARACTERISTICS 25°C



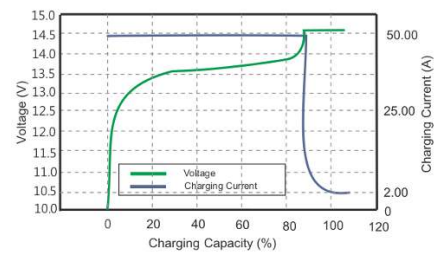
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



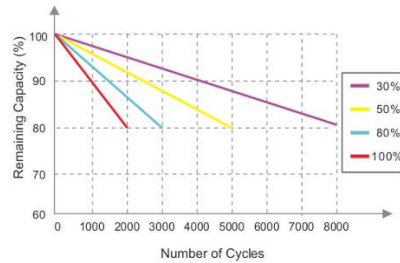
STATE OF CHARGE CURVE



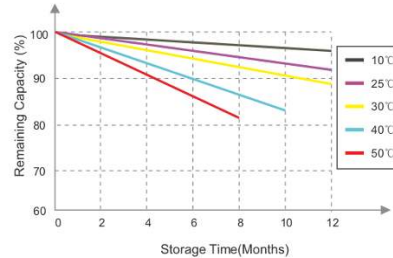
CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELF-DISCHARGE CHARACTERISTICS



SPECIFICATIONS

Nominal Voltage	12.8 V
Capacity (25°C)	150 Ah (C20)
Energy	1920 Wh
Cell (Method)	26650 (4S32P)
Charge Voltage (25°C)	Cycle use: 14.6±0.2V
Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
Charger Current	50A
Charge Cut-off Voltage	15.6V±0.2V
Max. Charge Current	100 A
Continuous Discharge Current	100A
Max. Discharge Current	140 A (<3s)
Discharge Cut-off Voltage	8V
Internal Resistance	20 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Cycle Life	>2000 cycles @1C 100%DOD
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED
Water Dust Resistance	IP56

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RLS12-150** 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: 483 mm

Width: 170 mm

Height: 238 mm

Total Height: 238 mm

Weight: 16.5 kg

2. TERMINAL CONFIGURATION (M8)

Terminals: Ensure your system's connectors match the M8 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: 14.6±0.2V

Maximum Current: Do not exceed 100 A of charge.

4. SAFETY AND STORAGE

Maintenance: Maintenance-free. The built-in BMS protects the battery.

Storage: Store at partial charge, in a cool and dry place.

Charging: Use a LiFePO4 charger at the stated voltage; do not charge below 0 °C.

NEARBY MODELS

RLS12-100 (12.8 V · 100 Ah) · **RLS12-165** (12.8 V · 165 Ah) · [See all RLS series models](#)

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Energy density and ultra-fast charging.

The RLS12-165 is a 12.8 V, 165 Ah (20-hour rate) LiFePO4 lithium battery from the Rekoser Lithium Standard series. It measures 483 × 170 × 238 mm and weighs 18.4 kg, with M8 terminals. It stores 2.11 kWh and delivers up to 140 A. Energy density and ultra-fast charging. Typical applications: Solar/Wind Energy Systems, Telecommunications and Base Stations, UPS and Data Centers and Light Electric Vehicles.

Formerly RKL12-165.

Nominal Voltage	12.8 V
Capacity (25°C)	165 Ah (C20)
Energy	2112 Wh
Weight	18.4 kg
Terminal	M8
Dimensions	483 × 170 × 238 mm

MAIN ADVANTAGES

- ✓ **Drop-in replacement:** Takes the place of a lead-acid battery
- ✓ **Cycle life:** Up to 20 times more cycles than lead
- ✓ **Light:** 60% less weight
- ✓ **Built-in BMS:** Protection and ultra-fast charging

10
YEARS

LONG LIFE DESIGN

5
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



SOLAR/WIND ENERGY
SYSTEMS



TELECOMMUNICATIONS
AND BASE STATIONS



UPS AND DATA CENTERS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

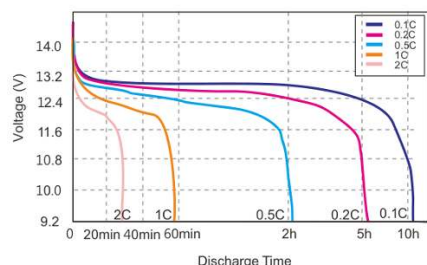
ISO 9001 / 14001

IEC62133

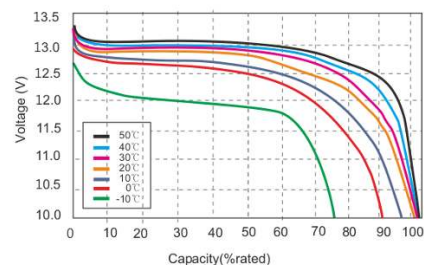
RoHS

GRAPHICS (25°C)

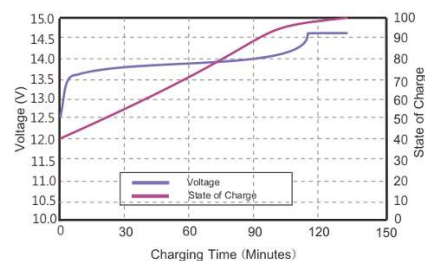
RATE DISCHARGE CHARACTERISTICS 25°C



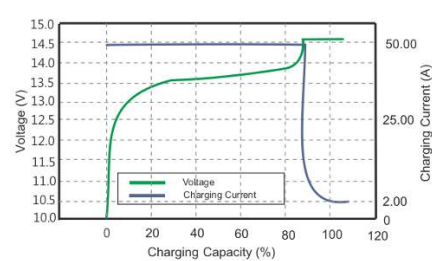
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



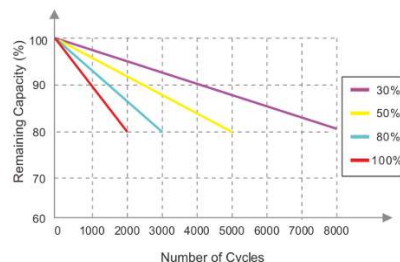
STATE OF CHARGE CURVE



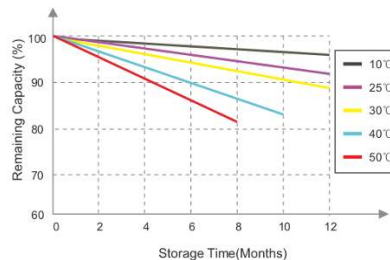
CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELF-DISCHARGE CHARACTERISTICS



SPECIFICATIONS

Nominal Voltage	12.8 V
Capacity (25°C)	165 Ah (C20)
Energy	2112 Wh
Cell (Method)	26650 (4S50P)
Charge Voltage (25°C)	Cycle use: 14.6±0.2V
Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
Charger Current	70A
Charge Cut-off Voltage	15.6V±0.2V
Max. Charge Current	100 A
Continuous Discharge Current	100A
Max. Discharge Current	140 A (<3s)
Discharge Cut-off Voltage	8V
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Cycle Life	>2000 cycles @1C 100%DOD
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED
Water Dust Resistance	IP56

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RLS12-165** 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:

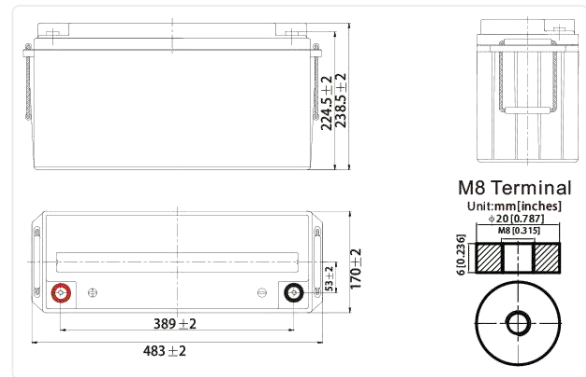
Length: 483 mm

Width: 170 mm

Height: 238 mm

Total Height: 238 mm

Weight: 18.4 kg



2. TERMINAL CONFIGURATION (M8)

Terminals: Ensure your system's connectors match the M8 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: 14.6 ± 0.2V

Maximum Current: Do not exceed 100 A of charge.

4. SAFETY AND STORAGE

Maintenance: Maintenance-free. The built-in BMS protects the battery.

Storage: Store at partial charge, in a cool and dry place.

Charging: Use a LiFePO4 charger at the stated voltage; do not charge below 0 °C.

NEARBY MODELS

RLS12-150 (12.8 V · 150 Ah) · **RLS12-200** (12.8 V · 200 Ah) · See all RLS series models

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

Energy density and ultra-fast charging.

The RLS12-200 is a 12.8 V, 200 Ah (20-hour rate) LiFePO4 lithium battery from the Rekoser Lithium Standard series. It measures 522 × 240 × 224 mm and weighs 29.6 kg, with M8 terminals. It stores 2.56 kWh and delivers up to 140 A. Energy density and ultra-fast charging. Typical applications: Solar/Wind Energy Systems, Telecommunications and Base Stations, UPS and Data Centers and Light Electric Vehicles.

Formerly RKL12-200.

Nominal Voltage	12.8 V
Capacity (25°C)	200 Ah (C20)
Energy	2560 Wh
Weight	29.6 kg
Terminal	M8
Dimensions	522 × 240 × 224 mm

MAIN ADVANTAGES

- ✓ **Drop-in replacement:** Takes the place of a lead-acid battery
- ✓ **Cycle life:** Up to 20 times more cycles than lead
- ✓ **Light:** 60% less weight
- ✓ **Built-in BMS:** Protection and ultra-fast charging

10
YEARS

LONG LIFE DESIGN

5
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



SOLAR/WIND ENERGY
SYSTEMS



TELECOMMUNICATIONS
AND BASE STATIONS



UPS AND DATA CENTERS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

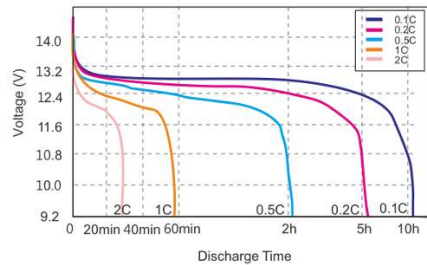
ISO 9001 / 14001

IEC62133

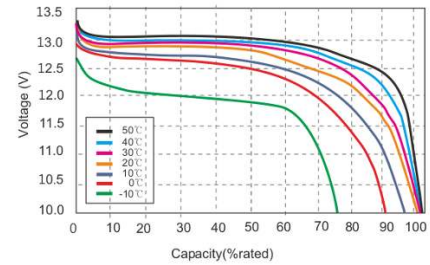
RoHS

GRAPHICS (25°C)

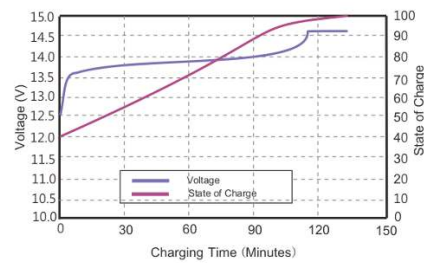
RATE DISCHARGE CHARACTERISTICS 25°C



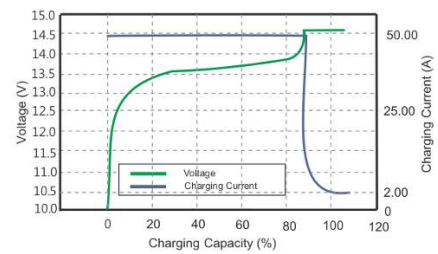
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



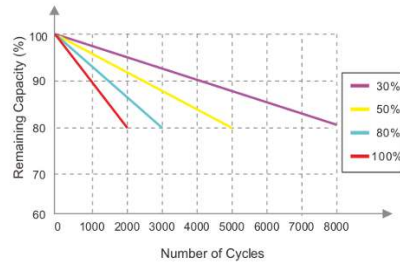
STATE OF CHARGE CURVE



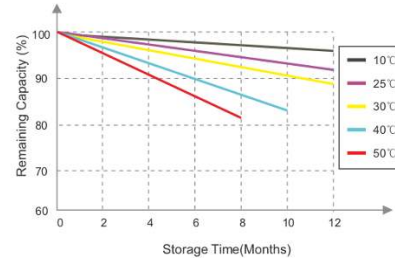
CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELF-DISCHARGE CHARACTERISTICS



SPECIFICATIONS

Nominal Voltage	12.8 V
Capacity (25°C)	200 Ah (C20)
Energy	2560 Wh
Cell (Method)	26650 (4S64P)
Charge Voltage (25°C)	Cycle use: 14.6±0.2V
Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
Charger Current	60A
Charge Cut-off Voltage	15.6V±0.2V
Max. Charge Current	120 A
Continuous Discharge Current	120A
Max. Discharge Current	140 A (<3s)
Discharge Cut-off Voltage	8V
Internal Resistance	20 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Cycle Life	>2000 cycles @1C 100%DOD
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED
Water Dust Resistance	IP56

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RLS12-200** 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:

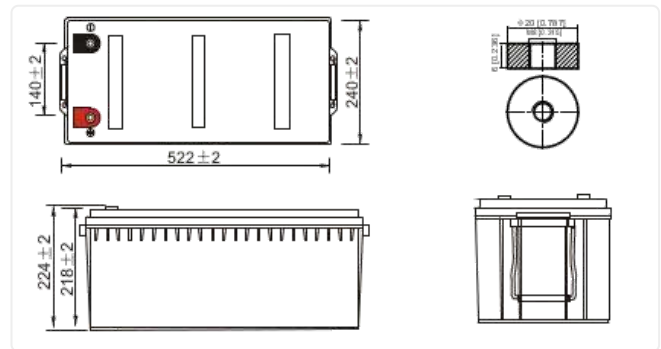
Length: 522 mm

Width: 240 mm

Height: 224 mm

Total Height: 224 mm

Weight: 29.6 kg



2. TERMINAL CONFIGURATION (M8)

Terminals: Ensure your system's connectors match the M8 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: 14.6 ± 0.2 V

Maximum Current: Do not exceed 120 A of charge.

4. SAFETY AND STORAGE

Maintenance: Maintenance-free. The built-in BMS protects the battery.

Charging: Use a LiFePO4 charger at the stated voltage; do not charge below 0°C .

Storage: Store at partial charge, in a cool and dry place.

NEARBY MODELS

RLS12-165 (12.8 V · 165 Ah) · See all RLS series models

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Energy density and ultra-fast charging.

The RLS24-40 is a 24 V, 40 Ah (20-hour rate) LiFePO4 lithium battery from the Rekoser Lithium Standard series. It measures 270 × 250 × 200 mm and weighs 13 kg, with M8 terminals. It stores 960 Wh and delivers up to 80 A. Energy density and ultra-fast charging. Typical applications: Solar/Wind Energy Systems, Telecommunications and Base Stations, UPS and Data Centers and Light Electric Vehicles.

Formerly **RKL24-40**.

Nominal Voltage	24 V
Capacity (25°C)	40 Ah (C20)
Energy	960 Wh
Weight	13 kg
Terminal	M8
Dimensions	270 × 250 × 200 mm

MAIN ADVANTAGES

- ✓ **Drop-in replacement:** Takes the place of a lead-acid battery
- ✓ **Cycle life:** Up to 20 times more cycles than lead
- ✓ **Light:** 60% less weight
- ✓ **Built-in BMS:** Protection and ultra-fast charging

10
YEARS

LONG LIFE DESIGN

5
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



SOLAR/WIND ENERGY
SYSTEMS



TELECOMMUNICATIONS
AND BASE STATIONS



UPS AND DATA CENTERS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

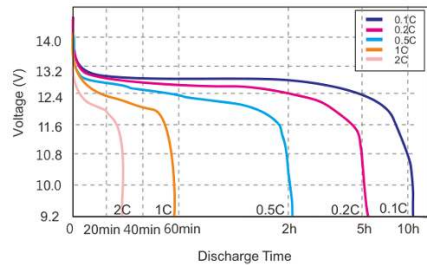
ISO 9001 / 14001

IEC62133

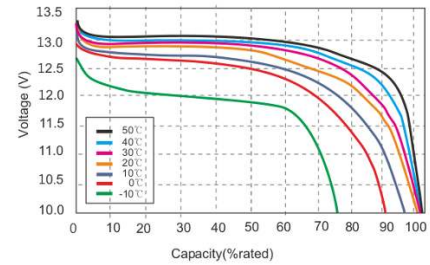
RoHS

GRAPHICS (25°C)

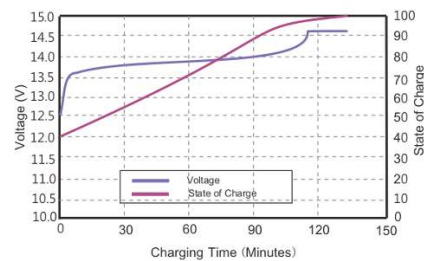
RATE DISCHARGE CHARACTERISTICS 25°C



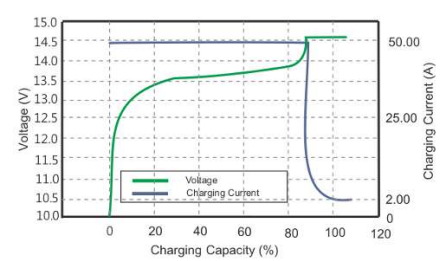
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



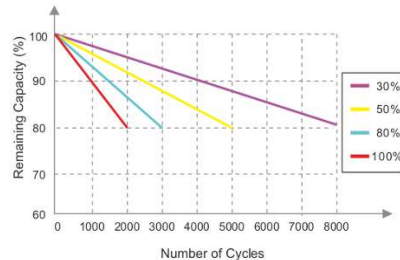
STATE OF CHARGE CURVE



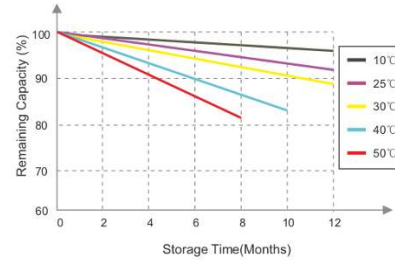
CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELFDISCHARGE CHARACTERISTICS



SPECIFICATIONS

Nominal Voltage	24 V
Capacity (25°C)	40 Ah (C20)
Energy	960 Wh
Cell (Method)	26650 (4S13P)
Charge Voltage (25°C)	Cycle use: 29,2V±0.2V
Charge Mode	Standard 10A×4hrs Quick 20A×2hrs
Charge Cut-off Voltage	20V±0.2V
Max. Charge Current	40 A
Continuous Discharge Current	40A
Max. Discharge Current	80 A (<3s)
Discharge Cut-off Voltage	8V
Internal Resistance	4 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Cycle Life	>2000 cycles @1C 100%DOD
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED
Water Dust Resistance	IP56

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RLS24-40** 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: 270 mm

Width: 250 mm

Height: 200 mm

Total Height: 200 mm

Weight: 13 kg

2. TERMINAL CONFIGURATION (M8)

Terminals: Ensure your system's connectors match the M8 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: 29,2V±0.2V

Maximum Current: Do not exceed 40 A of charge.

4. SAFETY AND STORAGE

Maintenance: Maintenance-free. The built-in BMS protects the battery.

Storage: Store at partial charge, in a cool and dry place.

Charging: Use a LiFePO4 charger at the stated voltage; do not charge below 0 °C.

NEARBY MODELS

See all RLS series models

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Energy density and ultra-fast charging.

The RLS25.6-20 is a 25.6 V, 20 Ah (20-hour rate) LiFePO4 lithium battery from the Rekoser Lithium Standard series. It measures 198 × 166 × 176 mm and weighs 5.8 kg, with M8 terminals. It stores 512 Wh and delivers up to 85 A. Energy density and ultra-fast charging. Typical applications: Solar/Wind Energy Systems, Telecommunications and Base Stations, UPS and Data Centers and Light Electric Vehicles.

Formerly RKL25.6-20.

Nominal Voltage	25.6 V
Capacity (25°C)	20 Ah (C20)
Energy	512 Wh
Weight	5.8 kg
Terminal	M8
Dimensions	198 × 166 × 176 mm

MAIN ADVANTAGES

- ✓ **Drop-in replacement:** Takes the place of a lead-acid battery
- ✓ **Cycle life:** Up to 20 times more cycles than lead
- ✓ **Light:** 60% less weight
- ✓ **Built-in BMS:** Protection and ultra-fast charging

10
YEARS

LONG LIFE DESIGN

5
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



SOLAR/WIND ENERGY
SYSTEMS



TELECOMMUNICATIONS
AND BASE STATIONS



UPS AND DATA CENTERS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

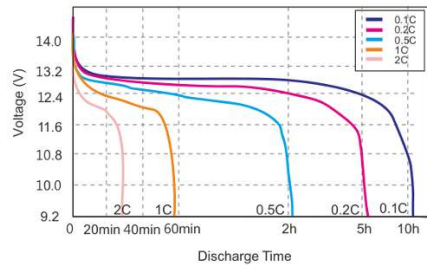
ISO 9001 / 14001

IEC62133

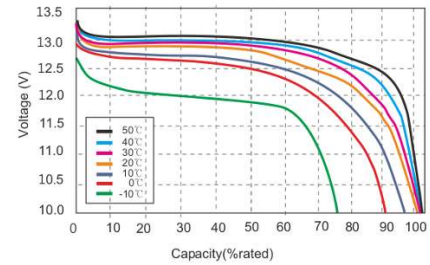
RoHS

GRAPHICS (25°C)

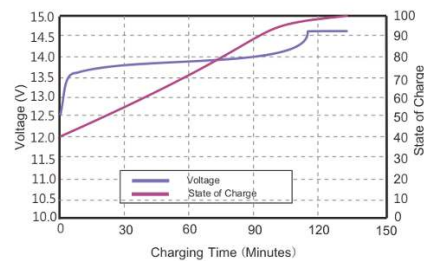
RATE DISCHARGE CHARACTERISTICS 25°C



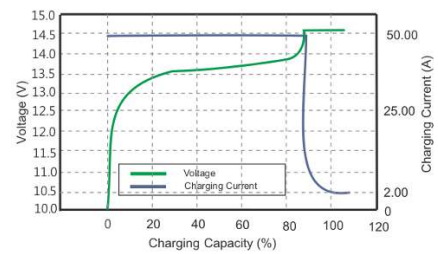
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



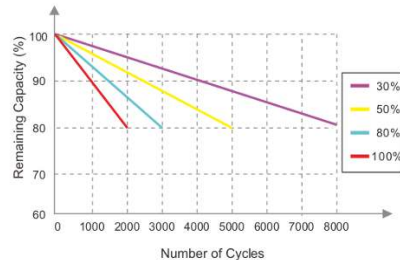
STATE OF CHARGE CURVE



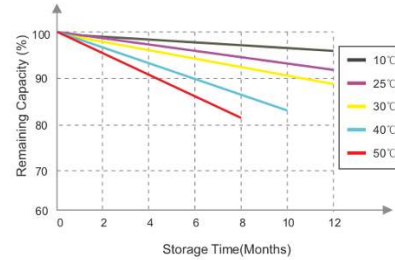
CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELFDISCHARGE CHARACTERISTICS



SPECIFICATIONS

Nominal Voltage	25.6 V
Capacity (25°C)	20 Ah (C20)
Energy	512 Wh
Charge Voltage (25°C)	Cycle use: 29.2±0.2V
Charge Mode	0.2C to 29.2V, then 29.2V,charge current to 0.02C (CC/CV)
Charger Current	4A
Charge Cut-off Voltage	31.2V±0.2V
Max. Charge Current	15 A
Continuous Discharge Current	20A
Max. Discharge Current	85 A (<3s)
Discharge Cut-off Voltage	20V
Internal Resistance	100 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Cycle Life	>2000 cycles @1C 100%DOD
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED
Water Dust Resistance	IP56

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RLS25.6-20** 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:

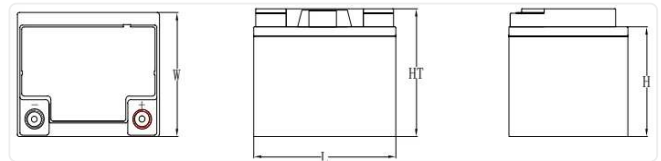
Length: 198 mm

Width: 166 mm

Height: 176 mm

Total Height: 176 mm

Weight: 5.8 kg



2. TERMINAL CONFIGURATION (M8)

Terminals: Ensure your system's connectors match the M8 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: $29.2 \pm 0.2V$

Maximum Current: Do not exceed 15 A of charge.

4. SAFETY AND STORAGE

Maintenance: Maintenance-free. The built-in BMS protects the battery.

Storage: Store at partial charge, in a cool and dry place.

Charging: Use a LiFePO4 charger at the stated voltage; do not charge below 0 °C.

NEARBY MODELS

RLS25.6-120 (25.6 V · 120 Ah) · [See all RLS series models](#)

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Energy density and ultra-fast charging.

The RLS25.6-120 is a 25.6 V, 120 Ah (20-hour rate) LiFePO4 lithium battery from the Rekoser Lithium Standard series. It measures 484 × 170 × 241 mm and weighs 21 kg, with M8 terminals. It stores 2.56 kWh and delivers up to 100 A. Energy density and ultra-fast charging. Typical applications: Solar/Wind Energy Systems, Telecommunications and Base Stations, UPS and Data Centers and Light Electric Vehicles.

Formerly RKL25.6-120.

Nominal Voltage	25.6 V
Capacity (25°C)	120 Ah (C20)
Energy	2560 Wh
Weight	21 kg
Terminal	M8
Dimensions	484 × 170 × 241 mm

MAIN ADVANTAGES

- ✓ **Drop-in replacement:** Takes the place of a lead-acid battery
- ✓ **Cycle life:** Up to 20 times more cycles than lead
- ✓ **Light:** 60% less weight
- ✓ **Built-in BMS:** Protection and ultra-fast charging

10
YEARS

LONG LIFE DESIGN

5
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



SOLAR/WIND ENERGY
SYSTEMS



TELECOMMUNICATIONS
AND BASE STATIONS



UPS AND DATA CENTERS



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

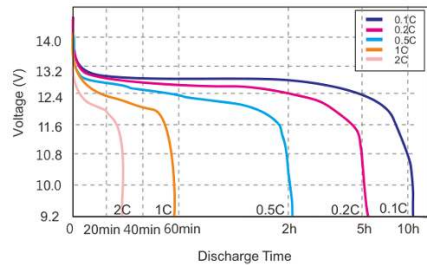
ISO 9001 / 14001

IEC62133

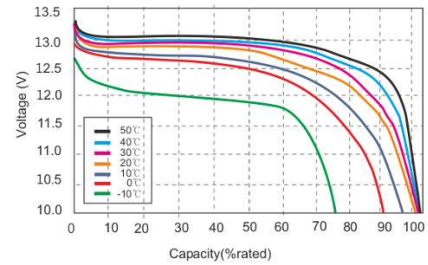
RoHS

GRAPHICS (25°C)

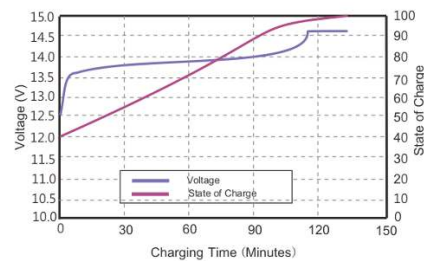
RATE DISCHARGE CHARACTERISTICS 25°C



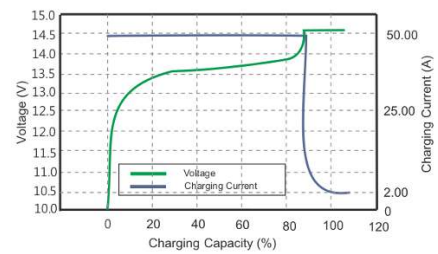
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



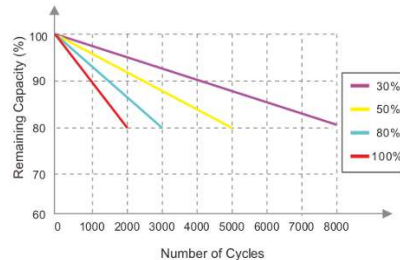
STATE OF CHARGE CURVE



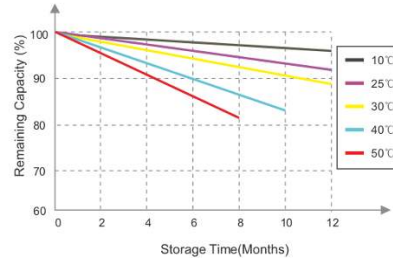
CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELF-DISCHARGE CHARACTERISTICS



SPECIFICATIONS

Nominal Voltage	25.6 V
Capacity (25°C)	120 Ah (C20)
Energy	2560 Wh
Charge Voltage (25°C)	Cycle use: 29.2±0.2V
Charge Mode	0.2C to 29.2V, then 29.2V,charge current to 0.02C (CC/CV)
Charger Current	20A
Charge Cut-off Voltage	31.2V±0.2V
Max. Charge Current	50 A
Continuous Discharge Current	50A
Max. Discharge Current	100 A (<3s)
Discharge Cut-off Voltage	20V
Internal Resistance	20 mΩ
Self Discharge	3 % of capacity per month at 25 °C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Cycle Life	>2000 cycles @1C 100%DOD
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED
Water Dust Resistance	IP56

CONSTRUCTION

Component	Material
Container	ABS (Flame Retardant Optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Terminal	Copper

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RLS25.6-120** 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:

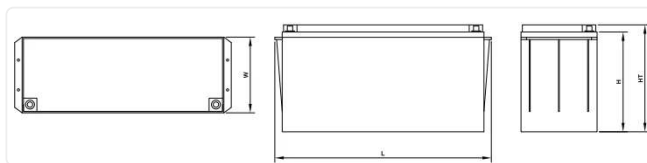
Length: 484 mm

Width: 170 mm

Height: 241 mm

Total Height: 241 mm

Weight: 21 kg



2. TERMINAL CONFIGURATION (M8)

Terminals: Ensure your system's connectors match the M8 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: $29.2 \pm 0.2V$

Maximum Current: Do not exceed 50 A of charge.

4. SAFETY AND STORAGE

Maintenance: Maintenance-free. The built-in BMS protects the battery.

Charging: Use a LiFePO4 charger at the stated voltage; do not charge below 0 °C.

Storage: Store at partial charge, in a cool and dry place.

NEARBY MODELS

RLS25.6-20 (25.6 V · 20 Ah) · [See all RLS series models](#)

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