



SR-EOM Lithium Battery for Campervan User Manual

V1.3







1. Instructions

Thank you very much for choosing the EOM series Lithium Battery for Campervan developed and produced by our company. Please read and understand all contents of the Manual carefully before installing and using the product. If you have any suggestions during the use, please do not hesitate to give us feedback.

1.1 Range of Application

The installation and user manual of SR-EOM series is applicable to the installation and use of the following products:

N	No	Model	Rated energy	
1		SR-EOM04B	4.01kWh	

The product should be used in compliance with local standards, laws and regulations, because any noncompliance with the use may lead to personal injuries and property loss.

The drawings provided in this Manual are used to explain the concepts related to the product, including product information, installation guide, electrical connection, system debugging, safety information, common problems and maintenance, etc.

The internal parameters of this product have been adjusted before delivery. No internal parameters can be changed without permission. Any unauthorized changes to the settings will invalidate the warranty, and the Company will not be liable for any loss resulting therefrom.

This Manual and other related documents are an integral part of the product and should be kept properly for onsite installation personnel and related technical personnel to consult.

1.2 Meaning of Abbreviations

AC	Alternating Current		
DC	Direct Current		
PV	Photovoltaic		
BMS	Battery Management System		
PCS	Power Conversion System		
RJ45	Registered Jack 45		
SOC	State Of Charge		
С	Charge C-rate		
RS485	RS485 Communication Interface		
CAN	Controller Area Network		
RV-C	RV Communication Protocol		

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1.3 Symbol Stipulations

There may be following symbols herein, and their meanings are as follows.

Symbols	Description
DANGERI	Indicate a hazard with a high level of risk which, if not avoided, will result in death or serious injuries.
CAUTION	Indicate a hazard with a medium level of risk which, if not avoided, could result in death or serious injuries.
ATTENTION	Indicate a hazard with a low level of risk which, if not avoided, could result in minor or moderate injuries.
NOTICE	Warning information about device or environment safety. If not avoided, equipment damage, data loss, performance degradation or other unanticipated results may be resulted in. The "NOTICE" does not involve any personal injuries.

2 Safety Precautions

2.1 Safety Symbols

This product contains the following symbols, please pay attention to identifying.

Symbols	Description			
i	Observe enclosed documentation			
<u>^</u>	Danger. Risk of electric shock!			
Danger of high voltages. Danger to life due to high voltages in the Energy storage system				
The battery system should be disposed of at a proper for environmentally safe recycling				
	No open flames Do not place or install near flammable or explosive materials			
	Risk of Fire, Explosion or Burns			
A	The Energy storage system should not be disposed together with the household waste.			



2.1 General Safety

2.1.1 Important Notice

Before installing, operating and maintaining the device, please read this Manual first and follow the symbols on the device and all the safety precautions in this Manual.

The matters indicated with "DANGER", "CAUTION", "ATTENTION" and "NOTICE" in this Manual do not represent all the safety matters to be observed, but are only the supplements to all the safety precautions. The Company will not be liable for any violation of general safety operating requirements, or any violation of safety standards for the design, production and use of the device. The device must be used in an environment that meets the requirements of the design specifications. Otherwise, the device may fail, and the abnormal device function or component damage, personal safety accident, and property loss arising from this are not covered within the quality assurance scope of the device. When installing, operating, and maintaining the device, the local laws, regulations, and codes shall be followed. The safety precautions in this Manual are only supplements to local laws, regulations, and codes. The Company shall not be liable for any of the following circumstances.

- The device is not run under the conditions of operating described in this Manual.
- The installation and operating environment is beyond the requirements of relevant international or national standards.
 - The product is disassembled or changed, or the software code is modified without authorization.
- The operation instructions and safety warnings related with the product and in the documents are not followed.
- Damage of the device is caused by abnormal natural environment (force majeure, such as earthquake, fire, and storm).
 - Transportation damage is caused during customer's own transportation.
- The storage condition does not meet the requirements of the product related documents and causes damage.

2.1.2 General Requirements



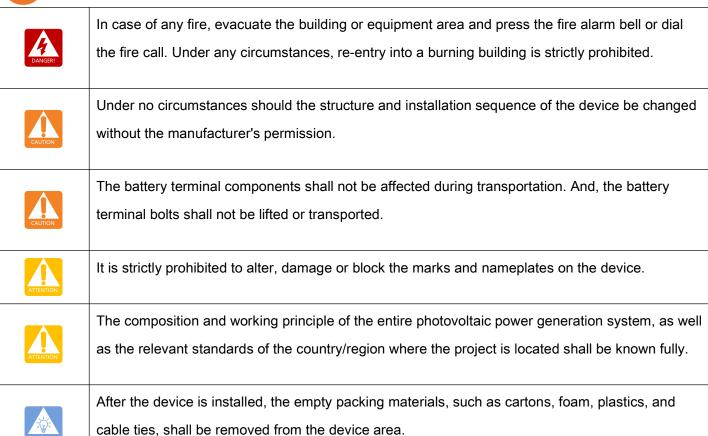
Operating when the power is on is strictly prohibited during installation.



It is strictly prohibited to install, use, and operate any outdoor equipment or cables (including but not limited to transporting equipment, operating equipment and cables, plugging and removing signal ports connected to the outdoor, working at altitude, and outdoor installation) in severe weather, such as thunder, rain, snow, and gale level 6.

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2.1.3 Personnel Safety

- When operating the device, appropriate personal protective equipment shall be worn. If any fault that may lead to personal injury or damage of the device is found, immediately terminate the operation, report to the responsible person, and take effective protective measures.
- Before using any tools, learn the correct method of using the tool to avoid injuries and damage of the device.
 - When the device is running, the temperature of the case is high, which may cause burns. Therefore, do
 not touch the case.
 - In order to ensure personal safety and normal use, reliable grounding should be carried out before use.
 - Do not open or damage the battery. The electrolyte released is harmful to skin and eyes, so avoid touch it.
 - Do not place irrelevant items on the top of the device or insert them into any part of the device.
 - Do not place flammable items around the device.
- Never place the battery in the fire to avoid explosion and prevent the personal safety from being endangered.

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• Do not place the battery module in water or other liquids.





- Do not short-circuit the battery terminals, because short-circuiting of the battery may cause combustion.
- The battery may pose a risk of causing electric shocks and large short-circuit currents. When using the battery, the following precautions should be paid attention to:
 - a) The metal objects, such as watch and rings, shall be removed.
 - b) Tools with insulated handles should be used.
 - c) Rubber gloves and shoes should be worn.
- d) The charging power supply shall be disconnected before connecting or disconnecting terminals of the battery.
 - e) Check whether the battery is accidentally grounded. If the battery is accidentally grounded, remove the power supply from the ground.
 - Do not clean the internal and external electrical components of the cabinet with water or detergent.
 - Do not stand, lean or sit on the device.
 - Do not damage any modules of the device.

2.2 Personnel Requirements

- The personnel in charge of installation and maintenance must be strictly trained to understand all safety precautions and master proper operation methods.
- Only qualified professionals or trained personnel are allowed to install, operate and maintain the device.
- The personnel who operate the device, including the operators, trained personnel and professionals, must have special operation qualifications required by the local country, such as high voltage operation, working high above the ground, and special equipment operation qualification.
- The replacement of device or components (including software) must be carried out by professionals or authorized personnel.

2.3 Electrical Safety

2.3.1 General Requirements



Before carrying out electrical connections, ensure that the device is not damaged, or an electric shock or fire may occur.



Never install or remove any power cables when the power is on. The electric arcs or sparks may be generated at the moment when the power cable contacts with the conductor, which may cause fire or personal injuries.





- All the electrical connections must meet the electrical standards of the country/region where the project is located.
- The cables prepared by users themselves shall comply with local laws and regulations.
- Special insulating tools should be used in high-voltage operations.
- Before connecting the power cord, ensure that the label identification on the power cord is correct.
- Operations on the device are allowed only five minutes after the device is completely powered off.
- The insulation layer of the cable may be aged or damaged when the cable is used in a high temperature environment. Therefore, the distance between the cable and the heat source must be at least 30mm.
- Cables of the same type should be bundled together. Whereas, the cables of different types should be routed at least 30mm apart, and shall not be wrapped together or crossed.

2.3.2 Grounding Requirements

- When installing the device to be grounded, the protective grounding wire must be installed first; when removing the device, the protective grounding wire must be removed at last.
- It is forbidden to destroy the grounding conductor.
- It is forbidden to operate the device without a grounding conductor installed.
- The device shall be permanently connected to the protective grounding wire. Before operating the device, electrical connection of the device shall be checked to ensure that the device is reliably grounded.

2.4 Installation Environment Requirements

- Do not install or use this product in an environment where the temperature is lower than -10 °C or higher than 50 °C.
- It should be installed in a dry and well-ventilated environment to ensure good heat dissipation performance.
- The product can be installed at a maximum altitude of 2,000m.
- The installation position should be away from the fire source.
- The product should be installed and used away from children and animals.
- The installation position should be far away from water sources, such as faucets, sewer pipes, and sprinklers, to avoid entering of water.
- The device should be placed on a firm and flat supporting surface.
- Do not place any inflammable or explosive items around the device.
- When the device is running, do not block the ventilation vent or heat dissipation system to prevent fire caused by high temperature.

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The operation and service life of the energy storage is related to the operating temperature. The energy storage should be installed at a temperature equal to or better than the ambient temperature.







Max+50°C

Min-10°C

RH.+5%~+95%

3 Product Introduction

3.1 Battery Specifications

Product model	SR-EOM04B		
Rated voltage	12.8V		
Rated capacity	314Ah		
Rated energy	4.01kWh		
Weight	31kg		
Dimentions (L*W*H)	410*206*328mm		
Max. charging voltage	14.4V		
Over discharging voltage	11.2V		
Standard charging current	150A		
Standard discharging current	150A		
Max. charging current	200A		
Max. discharging current	200A		
Peak charging current	250A		
Peak discharging current	250A		
Smart fuse	YES		
Battery type	LFP		
Life cycles (80% DOD,0.5C,25°C)	8000 Cycles		
Max.Number of parallel	16		
Maximum heating power of the battery	150W		
Communication interfaces	CAN / RS485 / RV-C / USB / WiFi / Bluetooth		
Lithium Battery Standard	UN38.3,MSDS,EN55032,EN55024,EN61000-3-2,EN61000-3-3		

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Storage time / temperature	6 months @25°C; 3 months @35°C; 1 month @45°C	
Charging temperature range	0 ~ 55°C	
Discharging temperature range	-10 ~ 55°C	
Cooling method	Natural cooling	
Enclosure protection rating	IP30	
Operation Environment	Indoor or Campervan	

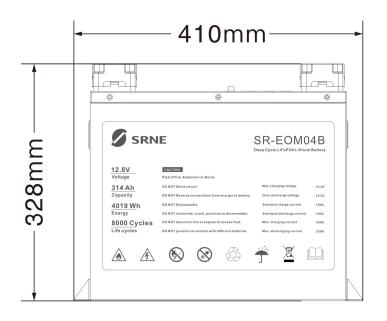
3.2 Model Coding

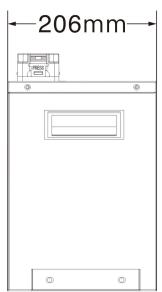
The model coding of the energy storage battery is as follows:



Identifier Meaning		Value	
	Product type	EOH: horizontally-mounted	
		EOV: vertically-mounted	
1		EOS: wall-mounted	
		EOC: Stack,rack	
		EOM: Floor mounting	
	- ,	04 The battery capacity is 4kWh	
2	Energy storage capacity	10: The battery capacity is 10kWh	

3.3 Dimentions



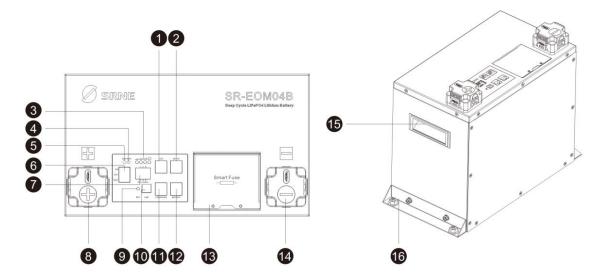


Battery dimensions (L*W*H):410*206*328mm





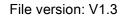
3.4 Appearance Description



① LCD	② BAT-IN	3 soc	④ RUN LED	
(Connect LCD)	(Connect other battery)	(State of Capacity)	(Battery status)	
⑤ ALM LED	⑥Turn On/Off/Remote Switch	⑦ Dry Contact	Battery Positive	
(Battery alarm)	Turn on on the one of the original of the orig	O Bry contact		
Reset	1 USB	① CAN/RS485	1 BAT-OUT	
(S) Neset	(Connect PC)	(Connect inverter)	(Connect other battery)	
③ Smart Fuse	4 Battery Negative	15 Handle	16 Brackets	

Communication interface definition

Number	Communication	Interface Type	Picture	instruction
1	LCD	RJ45	12345678	1:12V 2:GND 3:SW1 4:SW2 7:RS485-5-A 8:RS485-5-B
20	BAT-IN BAT-OUT	RJ45	12345678	1-RS485-B 2-RS485-A 7-RS485-A 8-RS485-B



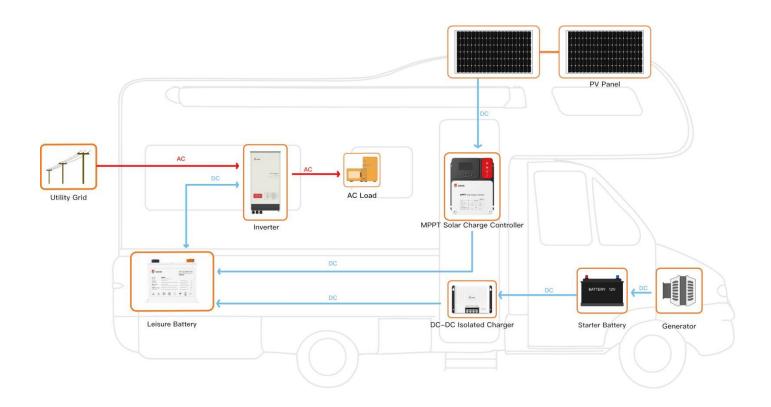


11)	CAN/RS485	RJ45	12345678	1-RS485-B 2-RS485-A 3-GND 4-CAN-H 5-CAN-L 6-GND 7-RS485-A 8-RS485-B
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4 Application Scenarios

The energy storage module specially designed for campervans uses high-performance and long-life lithium iron phosphate batteries. At the same time, it adopts modular structure design. Each energy storage module is integrated with an intelligent BMS system, which can be easily expanded to form a battery pack of up to 64.16Kwh.

The battery storage can be combined with SRNE brand inverter to form an on-grid or off-grid photovoltaic system, which can solve the problem of electricity consumption in areas without electricity.







5 System Installation

5.1 Inspections before Installation

Inspection of outer package

Before opening outer package of the energy storage, check if there is any visible damage on the outer package, such as holes, cracks or other signs of possible internal damage, and check the type of energy storage. If there is any abnormality on the package or model of the energy storage is inconsistent, do not open it and contact us as soon as possible.

Inspection of deliverables

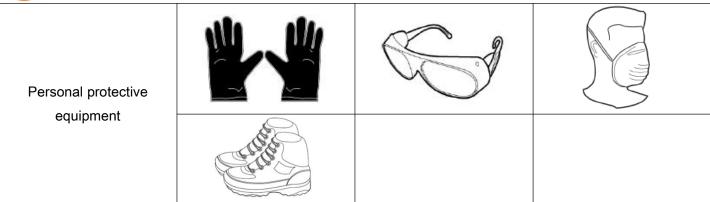
After opening outer package of the energy storage, check if the deliverable is complete and whether there is any visible external damage. If any items are missing or damaged, please contact us.

NO.	Picture	Item	Specification	Quantity
1		Battery Pack	12.8V,4.01kWh	1
2		Screw	M10*30	4

5.2 Preparation of Tools and Meters

Types	Tools and meters		
			£
Installation tool			
		4	<u>*************************************</u>





5.3 Selection of Installation Location

5.3.1 Basic Requirements

- When the energy storage is running, the temperature of the case and the radiator will be high. Therefore, do not install them in a place that is easy to touch.
- Do not install in areas where flammable and explosive materials are stored.
- If the energy storage is installed in areas with salt damage, it will be corroded and may cause fire. Therefore, do not install it outdoors in areas with salt damage. The areas with salt damage are defined as the areas which are not 500m away from shore or will be affected by sea breezes. The areas affected by the sea breezes vary depending on meteorological conditions (e.g. typhoons, monsoons) or topographical conditions (dams, hills).
- Do not install in the place where children can touch.
- The energy storage cannot be installed forwardly, horizontally, inversely, backwardly or sideways.
- When drilling holes on walls or ground, the goggles and protective gloves shall be worn.
- During drilling, the device should be shielded to prevent debris from falling into the device. After drilling,
 the debris shall be cleaned up in time.
- When handling any heavy objects, you should be prepared to bear loads to avoid being crushed or sprained.
 - When handling the device by hand, wear protective gloves to avoid injury.

5.3.2 Installation Space Requirements

The battery should be placed in the right position first, and the installation site should be smooth.



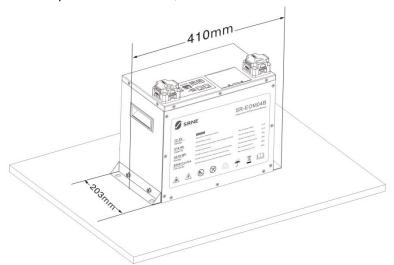




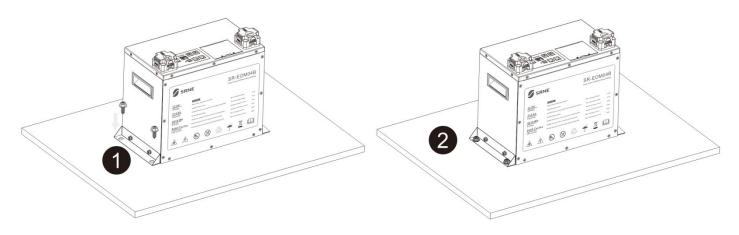
5.4 Device Installation

5.4.1 Installation Location Selection

Determine the installation location, please choose a flat ground and a solid wall as the installation location. First, determine the installation position of the base, the fixed size is 410*203mm.



Secure the battery to the mounting plate using the screws.





6 Electrical Connection



Before electrical connection, please ensure that the switches of the energy storage are in the "OFF" state. Otherwise, the high voltage of the device may cause electric shock.



The operations related to electrical connections must be carried out by professional electrical technicians. When carrying out electrical connections, the operator must wear personal protective articles.

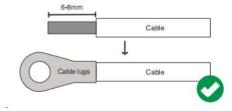
6.1 Preparation of Cables

No.	Cables	Description	Recommended specifications	Source
1	Power Cable	Power cable between the battery and inverter or charge controller. Recommended wire diameter 2/0 AWG.		Prepare by the user itself
2	Signal line	Signal cable between battery modules or between battery and inverter		Provide with the product together
3	wiring terminal	Terminals for battery power cable		Provide with the product together
4	Screw M8*30	Terminal block screws		Provide with the product together

6.2 Electrical Connection Of One Battery Module

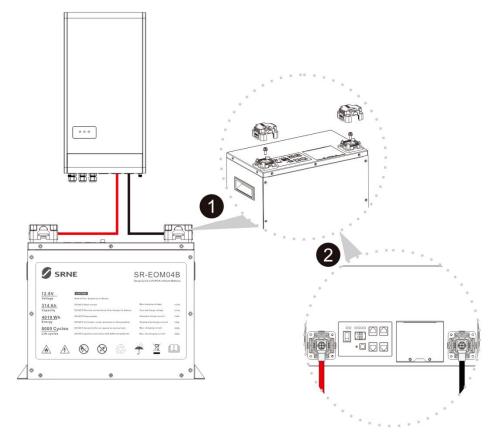
6.2.1 Connecting Power Cord

When connecting the battery wiring, please make sure that the battery switch is off and the indicator light is off, then remove the battery terminal cover plate and screws, prepare the appropriate power cable, crimp the terminal block, and then connect it to the battery.





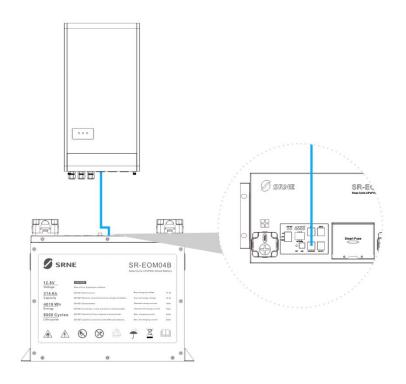




6.2.2 Connecting Signal Line

The signal line shall be used to connect CAN/RS485 interface for battery module and inverter.

The communication port of the SRNE brand inverter needs to be connected to the RS485 interface.







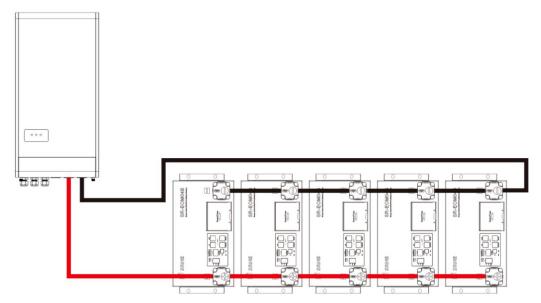


When connecting the inverter, the communication line must be connected and the communication protocol must be consistent.

6.3 Electrical Connection Of Multiple Battery Modules

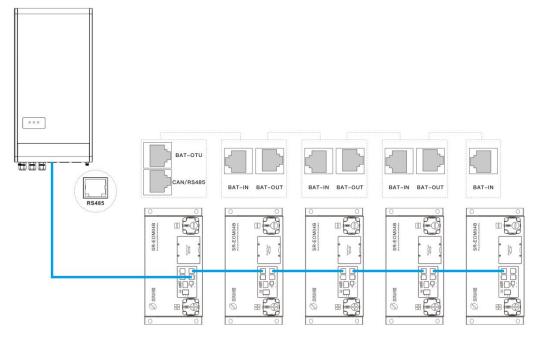
6.3.1 Connecting Power Cord

If the battery capacity is not enough, you can choose to connect multiple batteries through parallel power cable .



6.3.2 Connecting Signal Line

If there are multiple batteries, you need to connect the communication line of each battery.Battery and battery connection use BAT-IN/ BAT-OUT interface, battery and inverter connection need RS485/CAN interface.







7 System Debugging

7.1 Inspections Before Power-On

No.	Inspection items	Inspection items Acceptance criteria		Validation	
1	The energy storage is installed in place	The installation is correct, secure and reliable.	□Yes	□No	
2	The installation environment meets requirements	The installation space is reasonable and the environment is clean and tidy without any construction		□No	
3	The power cord is correctly connected	The positive and negative terminals are connected correctly without any missing.	□Yes	□No	
4	The signal line is correctly connected	The signal line is connected reliably, and there is no wrong position	□Yes	□No	
5	The grounding is reliable	The grounding wire is correctly and reliably connected.	□Yes	□No	
6	The switch of the energy storage battery module is off	All switches connected to the energy storage are in the "OFF" state.	□Yes	□No	

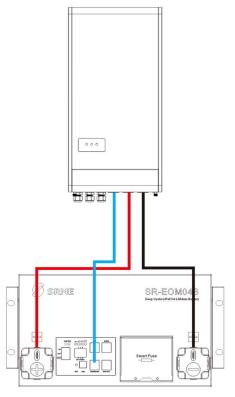
7.2 Power-On of Battery Module

7.2.1 Power-up Sequence

Once the batteries are connected to the inverter, please power on in the following order.

First, Turn on the battery breaker or DC switch.

Secondly, turn on the battery switch button and the battery starts to work. If there are multiple modules, please turn on the power switch one by one.

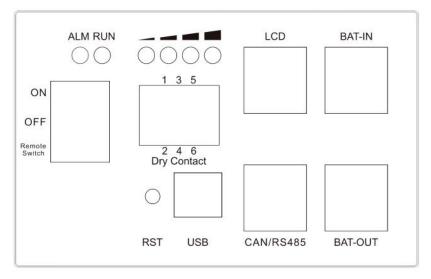






7.2.2 System Status Indication

After the battery switch button is turned on, the LED indicator will light up or flash. The meaning of the LED indicator is as follows.



System Status	Events	RU	ALM		
System Status	Events	Master	Slave	/ \LIVI	
POWER OFF	Power Off	OFF	OFF	OFF	
Stoody	Normal	Blinking1	ON	OFF	
Steady	Alarm	Blinking1	ON	Blinking3	
	Normal	Blinking1	ON	OFF	
	Alarm	Blinking1	ON	Blinking3	
Charging	Over Charge Protection	Blinking1	ON	OFF	
	High temperature, Over Current	OFF	OFF	ON	
	Heating battery	Blinking2	ON	OFF	
	Normal	Blinking1	ON	OFF	
Disabaraina	Alarm	Blinking1	ON	Blinking3	
Discharging	Over Discharge Protection	OFF	OFF	OFF	
	Over Current , Short Current	OFF	OFF	ON	

LED blinking description

Blinking	LED ON	LED OFF
Blinking1	0.25S	3.75S
Blinking2	0.1S	0.1S
Blinking3	0.5S	1.5S





7.2.3 Capacity Indicator

Capacity indicator LED	SOC
	0~25%
	25 ~ 50%
	50 ~ 75%
	75 ~ 100%

7.3 Battery pre-charge Function

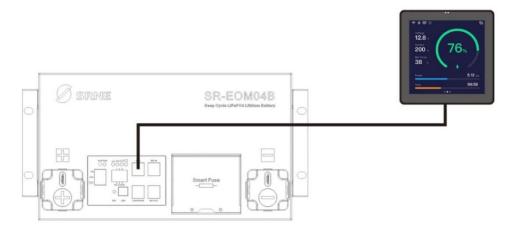
Battery pre-charge refers to the discharge function of limiting the current for a short time before the direct discharge of the battery to prevent the direct output of the battery from charging the capacitor at the input end of the external device, which may cause potential damage to the main circuit devices.

7.4 Battery Heating Function

When the cell temperature is ≤0°C, the lithium battery will report a low temperature fault alarm,and the user cannot directly charge the lithium battery. In the low temperature environment,when the external charger is turned on (charging voltage 14~14.2V,charge power 120W~150W), the lithium battery will automatically turn on the heating function. After the automatic heating of the lithium battery is completed, the battery can be charged normally and the battery low temperature alarm will be released. For this battery it will take about 90 minutes to heat from -20°C to a temperature that allows charging. When the battery is in a discharged state, the heating function cannot be turned on.

7.5 Remote LCD Function (Optional)

External LCD display can be used as the display unit of the lithium battery, which can display the current operating information of the lithium battery, connect to battery LCD port.

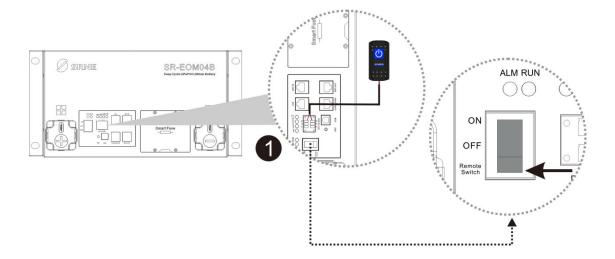






7.6 Remote Battery Switch(Optional)

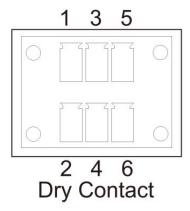
The lithium battery can be switched on and off via the remote battery switch by connecting the remote battery switch to port positions 5-6 of the dry contact connector.





When using a remote switch, the battery switch should be selected in position "Remote Switch".

7.7 Dry Contact Function



Function	Description
Battery alarm indication	When the battery alarms,PIN1 and PIN2 will connect
Battery low capacity indication	When the battery is low capacity(SOC < 10%),PIN3 and PIN4 will connect
Remote switch on/off	When PIN5 is connected with PIN6, the battery will turn on. When PIN5 is disconnected from PIN6, the battery will turn off.



8.1 System Power-Off



After the system is powered off, the case still has residual power and heat, which may cause electric shocks or burns. Therefore, protective gloves should be worn before operating the energy storage 5 minutes after the system is powered off. Maintenance operations on energy storage should be performed only after ensuring that all indicator lights of the energy storage are off.

Power-off operation steps of the system:

Step 1 Turn off the breaker switch between the inverter and AC output (If installed).

Step 2 Turn off the breaker switch between the inverter unit and AC input(If installed).

Step 3 Turn off the breaker switch between the inverter unit and the PV string(If installed).

Step 4 Turn off the breaker switch between the inverter and battery.

Step 5 Turn off button on all storage battery modules, the energy storage is powered off successfully.

8.2 Routine Maintenance

To ensure the long-term and good operation of the energy storage system, it is recommended to perform the routine maintenance as described in this section.

Items	Methods	Maintenance interval
	Observe whether the energy storage appearance is	
	damaged or deformed.	
Running status of	Listen to whether the energy storage has any	Once every six months.
system	abnormal sound during running.	Office every six months.
	When the energy storage is running, check whether	
	the indicator of the energy storage battery is correct.	
	Check if any cable connection is off or loose.	
	Check if any cable is damaged, and especially if	Half a year after first debugging
Electrical	there are cuts on the sheath where the cable contacts	and testing, and once every six
connection	with the metal surface.	months to one year thereafter.
	Check if the unused DC input terminals, energy	months to one year thereafter.
	storage terminals, COM ports, and covers are locked.	
Crounding		Half a year after first debugging
Grounding	Check if the grounding cable is grounded reliably.	and testing, and once every six
reliability		months to one year thereafter.

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8.3 Common Faults and Handling Methods

Faults	Handling measures
The indicator light and LCD	Check whether battery is sleeping mode.If the battery is neither charged nor
does not work	discharged, it will automatically enter sleep mode after a period of time.
	If the battery power is low, you need to charge it before using it.
All indicators of the battery are off	If the battery is not used for a long time, it will automatically sleep, and it can
	be used normally after restarting.
Battery overcurrent protection	Check whether there is a short circuit in the battery wiring.
fault	Check whether the load power exceeds the maximum
The bettery cannot be charged	Check if the battery is fully charged
The battery cannot be charged	Check whether the ambient temperature is below -10 degrees.
	Check whether the communication interface is incorrectly plugged in and
Communication error with inverter	Whether the wiring is secure.
Communication error with inverter	Whether the battery address is set correctly.
	Whether the protocol is secure.
	Check if the router settings are correct
WIFI communication error	Check whether the routing network is normal
	Check whether the router's 2.4G frequency band is turned on

8.4 Battery Storage and Maintenance

8.4.1 Battery Storage Requirements



Do not put the battery into fire. The battery may explode.

Do not open or damage the battery. The electrolyte flowing out from the battery is harmful to the skin and eyes. The electrolyte may also be toxic;

- 1. When being stored, the batteries shall be placed correctly in accordance with the marks on the packing case. Do not put them upside down or on the side.
- 2. When stacking up the battery packing cases, the stacking requirements on the outer package shall be met.
- 3. The batteries should be handled with care, and damage to batteries should be strictly prohibited.
- 4. Requirements for the storage environment:
- Ambient temperature: -10°C to 55 °C, recommended storage temperature: 20°C to 30°C.
- Relative humidity: 5%RH-80%RH.





- Dry, well ventilated, and clean.
- The corrosive organic solvents, gases and other substances shall be kept away.
- Exposing to direct sunlight shall be avoided.
- The distance from the heat source should not be less than two meters.
- 5. When being stored, the battery shall be disconnected from the external connection. If there is an indicator light on the battery panel, the indicator light shall be off.
- 6. When the stored batteries are going to be delivered, the first-in first-out principle should be followed.
- 7. After the battery is produced and tested, it shall be recharged to at least 50% SOC before being stored. If the device will not be used for a long period of time, discharge the battery to 45% to 60% of the battery capacity and disconnect the battery output to avoid the battery runs out;
- 8. Do not touch the battery pack with wet hands. □
- 9. Do not squeeze, drop, or pierce the battery.
- 10. The battery should always be disposed in accordance with local safety regulations. □
- 11. The battery should be stored and recharged in accordance with this User's Manual.
- 12. Do not reverse polarity of the battery when storing or transporting the batteries, the batteries shall not be stacked up without protective packaging, and the number of stacked packed batteries should not exceed the number specified on the packaging.
- 13. All operators of the energy storage system shall comply with the user manual, installation and service manual, and quality assurance requirements. Any damage to the device resulting from neglecting or misreading of the user's manual, installation and service manual, and the quality assurance requirements will invalidate the product warranty.

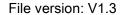
8.4.2 Requirements for Charging of Battery

The batteries to be stored for a long period of time (unused, for more than 3 months) must be kept in a dry and cool place. The storage voltage is 12.7V~13.2V. The batteries should be stored in a clean environment of 23±2°C and humidity of 45%~75%. If the battery will be shelved and not used for a long period of time, it should be recharged every 3 months to ensure that the battery voltage is within the above range.

As for batteries and long-term storage, routine maintenance is required. Please charge the battery to 40% SOC at a current of 0.2C according to the requirements in the table below.

Ambient temperature for storage	Relative humidity for storage environment	orage environment Storage Time	
<-10°C	/	Prohibited	1
-10~25°C	5%~70%	≤12 months	30%≤SOC≤60%

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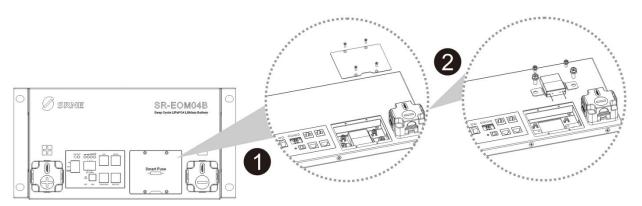


25~35°C		≤6 months	
35~45°C		≤3 months	
>45°C	/	Prohibited	/

8.5 Replacement of Fuse

Under normal working conditions, the fuse will not be blown risk; When the external short-circuit occurs, the battery temperature is abnormal, the BMS protection is abnormal, or other abnormal conditions, the fuse will be quickly blown to ensure system security.

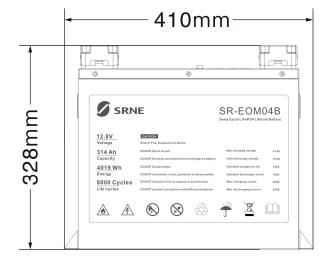
If a short circuit occurs and the battery cannot be charged or discharged, replace the fuse. Replacing fuses requires professional operation and fuses can be obtained from local dealers. The replacement procedure is as follows:

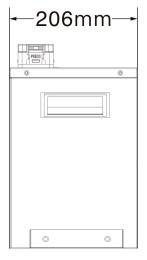


9 Product Dimensions and Packaging

9.1 Product Dimensions

The external dimensions of the energy storage battery module and power module are 410*328*206mm.



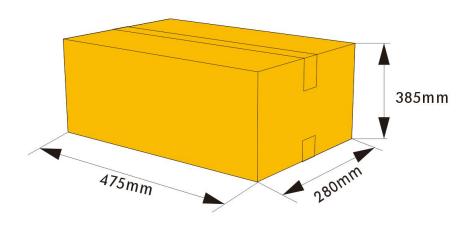






9.2 Package Dimensions

The packaging size of a single energy storage battery module is 475*280*385mm.



9.3 Accessories

NO.	Picture	Item	Specification	Quantity	Source
1		Battery Pack	12.8V,4.01kWh	1	Battery Package
2		Screw	M10*30	4	Battery Package
3		Signal line	480mm	1	Battery Package
4		wiring terminal	SC70-8	4	Battery Package
5		Screwc	M8*30	2	Battery Package
6	128. 76 s. 38 s. 10 s. 1	Touch Screen LCD	WX040-WTC	1	Battery Package (Optional)





7		Display Connection Cables	10M	1	Battery Package (Optional)
8	Power Park	Remote switch	CZ3457	1	Battery Package (Optional)
9		Remote Switch Wiring	10M	1	Battery Package (Optional)
10	S next SR-COSON Library for Compensor User Manual V/ S	User Manual	Standard	1	Battery Package