

KODAK Battery Storage

NL2.5 NL4.8 NL10.0 NL14.0



Installation Manual & User Guide



please read this manual carefully before
installing and operating the battery

Important Safety Instructions, Precautions

Please keep this manual for future reference

This manual contains all safety, installation and operation instructions for NL2.5/NL4.8/NL10.0/NL14.0 wall-mounted energy storage.

Please read all instructions and precautions in the manual carefully before installation and use. The company does not undertake the violation of general safety operation requirements or safety standards in the design, production and use of equipment any responsibility.

There is an unsafe voltage inside the energy storage battery. To avoid personal injury, users should not disassemble it by themselves. For maintenance, please contact professional maintenance personnel.

Precautions

- During the installation process, it is strictly forbidden to operate with power on, and connect the wires correctly during installation, and do not connect them in reverse.
- Please ensure that the parameters between related devices are compatible and matched.
- Please ensure that the installation environment of the equipment is well ventilated.
- When the equipment is running, do not block the vents or heat dissipation system to prevent fire caused by high temperature.
- Do not place the device in an environment of flammable, explosive gas or smoke, or high-salt spray environment, nor perform any operations in this environment.
- The load strength of the mounting surface should be greater than the load caused by the weight of the product.
- Please be properly grounded before use to ensure your safety.
- The annual temperature of the installation area should be between 0°C and 50°C.
- The relative humidity of the air should be less than 85%.

★ Warning

| | |
|---|--|
|  | <p>The scrapped battery cannot be put into the garbage can and must be professionally recycled.</p> |
|  | <p>Do not place near open flame</p> |
|  | <p>After the battery life is terminated, the battery can continue to be used after it recycled by the professional recycling organization and do not discard it at will.</p> |
|  | <p>Do not cut or spear with sharp objects</p> |
|  | <p>Do not extinguish with water in case of fire</p> |
|  | <p>Do not use in corrosive environment</p> |

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1. Basic information

1.1 Product overview and features

Our products have been strictly tested and inspected before leaving the factory. If you find any abnormalities in the equipment, please contact the provider.

NL2.5/NL4.8/NL10.0/NL14.0 wall/Floor-mounted energy storage battery is a device used to store energy in a photovoltaic solar system.

Product features: This product is composed of high-quality lithium iron phosphate aluminum shell cells, high-efficiency BMS, and anti-static metal shell. The square aluminum shell cell has high stability and fast heat dissipation. The BMS effectively manages overcharge and over discharge, short circuit, and over temperature. The thickened metal shell has better protection performance.

Features of the system: NL2.5/NL4.8 can provide 100A continuous discharge and 100A charging capacity (recommended charging below 100A); NL10.0/NL14.0 can provide 200A continuous discharge and 200A charging capacity (recommended 100A) .It supports 6000 cycles of 80% DOD. A larger capacity battery pack can be formed by parallel connection to meet the long-term power supply needs of users. The closed line design is adopted to effectively prevent dust and mosquitoes from blocking the interface and increase the safety of use.

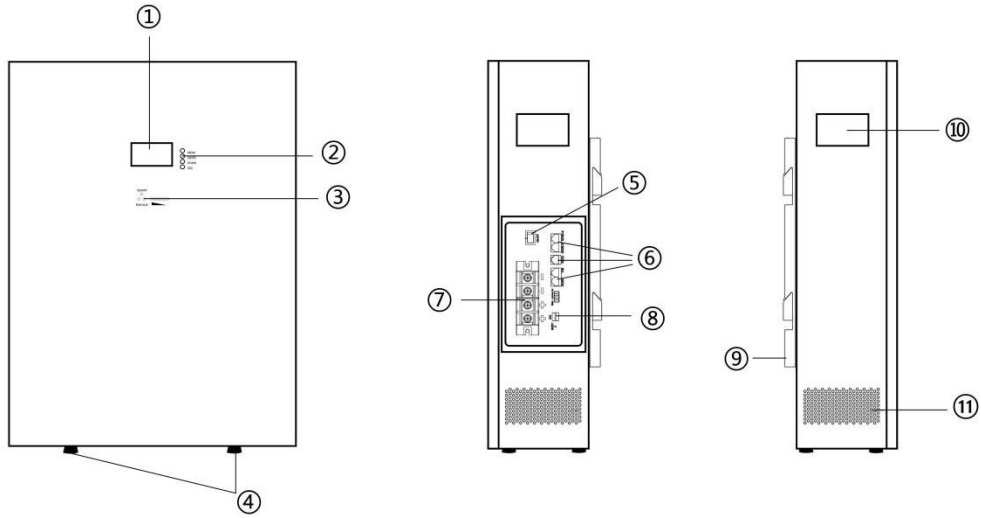
1.2 Basic parameters

| ITEM | SPECIFICATIONS |
|------------------------------------|-------------------------|
| Model | NL2.5 |
| Nominal Voltage | 25.6V |
| Capacity | 100Ah |
| Energy Power | 2.56Kwh |
| Equalized Charge Voltage | 29.2V |
| Float Charge Voltage | 28.4V |
| Max.Continuous Charging Current | 100A (Recommended 50A) |
| Max.Continuous Discharging Current | 100A |
| Max C Rating | 1C |
| | |
| Model | NL4.8 |
| Nominal Voltage | 48V |
| Capacity | 100Ah |
| Energy Power | 4.8Kw.h |
| Equalized Charge Voltage | 54.75V |
| Float Charge Voltage | 53.25V |
| Max.Continuous Charging Current | 100A (Recommended 50A) |
| Max.Continuous Discharging Current | 100A |
| Max C Rating | 1C |
| | |

| | |
|------------------------------------|--------------------------|
| Model | NL10.0 |
| Nominal Voltage | 51.2V |
| Capacity | 200Ah |
| Energy Power | 10.24Kwh |
| Equalized Charge Voltage | 58.4V |
| Float Charge Voltage | 56.8V |
| Max.Continuous Charging Current | 200A (Recommended 100A) |
| Max.Continuous Discharging Current | 200A |
| Max C Rating | 1C |
| | |
| Model | NL14.0 |
| Nominal Voltage | 51.2V |
| Capacity | 280Ah |
| Energy Power | 14.34Kwh |
| Equalized Charge Voltage | 58.4V |
| Float Charge Voltage | 56.8V |
| Max.Continuous Charging Current | 200A (Recommended 100A) |
| Max.Continuous Discharging Current | 200A |
| Max C Rating | 1C |

1.3 Product introduction

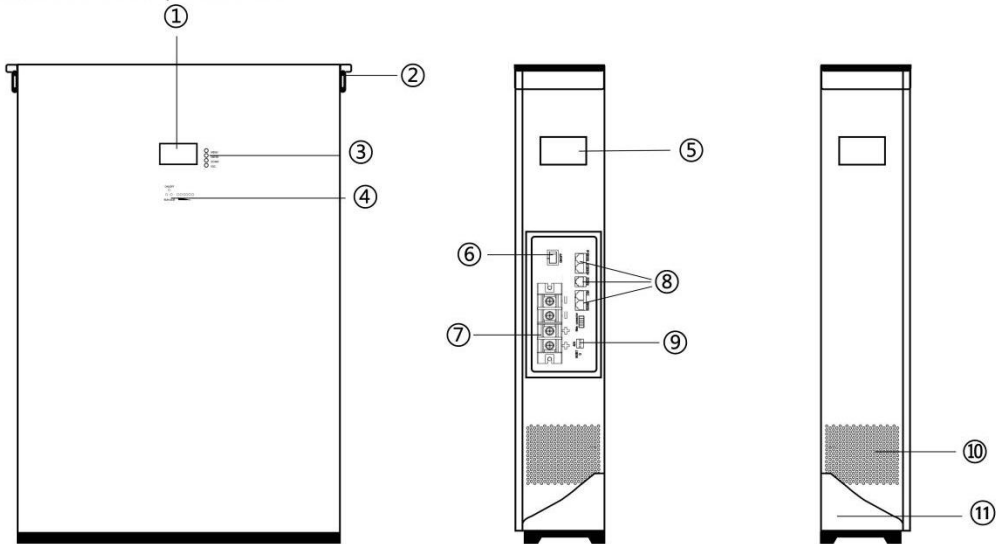
Model: NL 2.5 / NL 4.8



- ① LCD Screen
- ② Button
- ③ Indicator Light
- ④ Foothold
- ⑤ Power On/Off

- ⑥ Communication Interface
- ⑦ Positive/Negative Terminal
- ⑧ ADS
- ⑨ Bracket
- ⑩ Handle
- ⑪ Heat Sink Hole

Model: NL 10.0 / NL 14.0



- ① LCD Screen
- ② Installation ears
- ③ Button
- ④ Indicator Light
- ⑤ Handle

- ⑥ Power On/Off
- ⑦ Positive/Negative Terminal
- ⑧ Communication Interface
- ⑨ ADS
- ⑩ Heat Sink Hole
- ⑪ Base

2. Installation instructions

2.1 Installation preparation

1. Safety Requirements: This system should only be installed by personnel who have received training in power systems and have sufficient knowledge of power systems. During installation, the safety regulations described below and local safety regulations should always be followed.
2. Make sure that all devices are powered off before operating, and use devices or accessories that match the battery parameters.
3. The wiring of power distribution cables should be reasonable and have protective measures to avoid contact with these cables when operating power equipment.
4. Wear appropriate protective measures, such as: goggles, gloves, installation clothing, etc.
5. Need to prepare installation tools:

| | | | | |
|-----------------|-----------------|-------------|--------|-----------------|
| Drill | Hammer | Wrench | Screw | Wire strippers |
| Insulating tape | Electric pencil | Multi meter | Pliers | Measuring ruler |

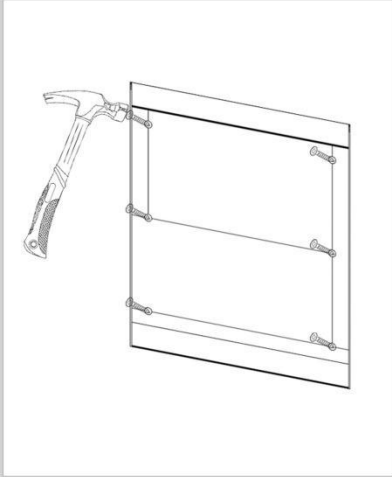
2.2 Engineering coordination

Attention should be paid to the following items before construction.

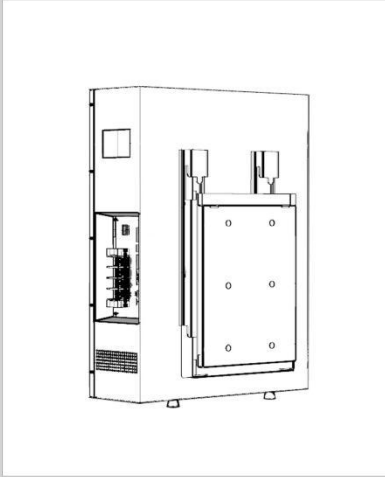
- Power line specification: The power line specification shall meet the requirements of maximum discharge current for each product.
- Mounting space and bearing capacity: Make sure that the batteries has enough room to install, and that the batteries rack and bracket have enough load capacity.
- Make sure the power line and ground wire are reasonable. Not easy to short-circuit water and corrosion

2.3 Equipment installation

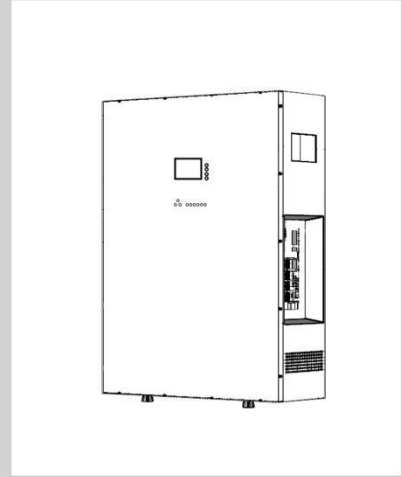
NL2.5/NL4.8 Wall mounted



1. Align the bracket with the hole, place the expansion screw, and lock the expansion screw

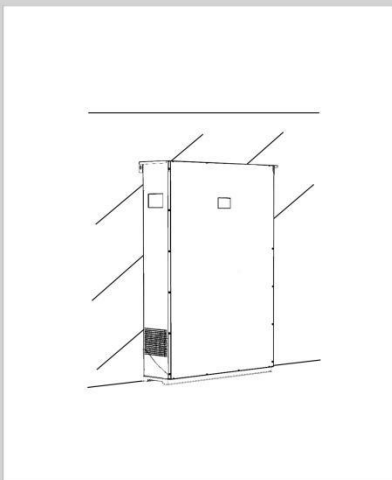


2. Align the clasp and hang the battery on the mounted bracket

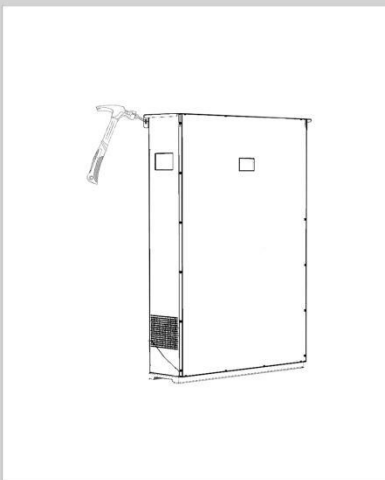


3. Installation complete

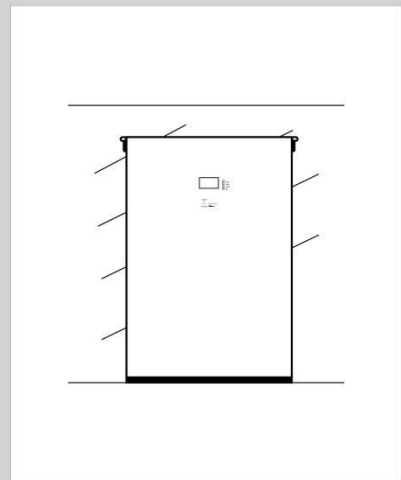
NL10.0 /NL14.0 Floor mounted



1. install the ears on battery and place the battery onto the battery base and attach the battery system to the wall.



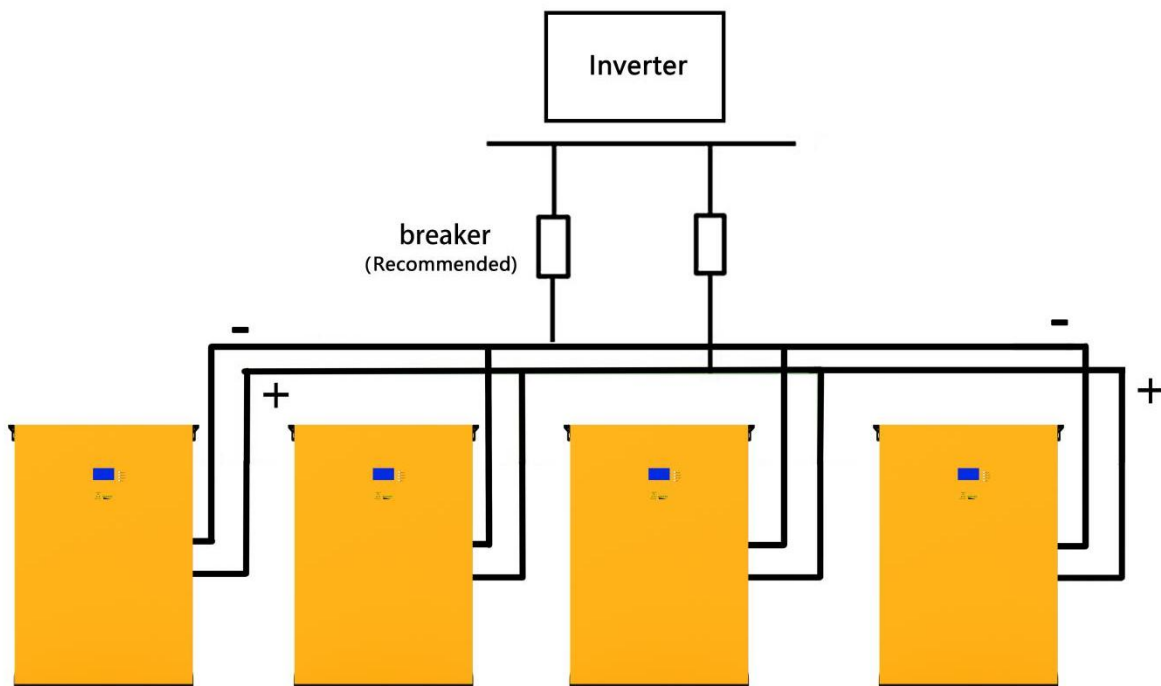
2. Place the expansion screws in line with the ear holes and tighten the expansion screws



3. Installation complete

| | | |
|-------|----------------------------|--|
| Step1 | Installation preparation | Confirm that the ON/OFF switch is off. |
| Step3 | Electrical Installation | 1. Batteries parallel cable installation |
| | | 2. Batteries positive cable installation |
| | | 3. Batteries negative cable installation |
| Step4 | Batteries System self-test | 1. Press the ON/OFF switch to the "ON" state |
| | | 2. BMS system power on activation |
| | | 3. Check the system output voltage |
| | | 4. Shut down the system |
| Step5 | Connecting inverter | 1. Connect positive & negative cable to Inverter |
| | | 2. Connect RS485 cable to the inverter |

2.4 Parallel connection



2.5 Electrical interface check

Devices that connected directly to the batteries can be user equipment, power supplies, and other power supplies.

- Please check if the user's PV power generation equipment, power supplier or other power supply equipment has a DC output interface, and the voltage meet the requirements of the inverter.
- And check the maximum discharge current capability of the DC power interface of the user's photovoltaic power generation equipment, power supply or other power supply equipment should be greater than the maximum charging current of the products.

2.6 Electrical installation

Before connecting the power cables, using multi meter to measure cable continuity, short circuit, confirm positive and negative, and accurately mark the cable labels.

Measuring methods:

- Cable availability: select the buzzer and use the probe to measure the ends of the same color cable. If the buzzer calls, it means the cable is available.
- Short circuit judgment: choose multi meter resistor file, probe the same end of positive and negative pole, if the resistor shows infinity, means that the cable is available.
- After visual testing of power line is connected well, the positive and negative poles of the batteries shall be connected respectively to the positive and negative poles of the opposite terminal.

2.7 Use, maintenance and troubleshooting

Batteries system usage and operation instructions

After completing the electrical installation, follow these steps to start the batteries system

1. Press the switch to ON position, The display screen and indicator will light up
2. After the indicator self-test, the RUN indicator will light and the SOC indicator will be on.



Note:

1. After pressing the power button, if the batteries status indicator on the front panel continues to be red, please refer to the "3.6 Alarm description and processing ".If the failure cannot be eliminated, please contact the dealer timely.
2. After confirming that the batteries output voltage and polarity are correct, turn on the inverter, close the circuit breaker.
3. Check if the indicator of the inverter and batteries connection (communication indicator and batteries access status indicator) is normal. if it is normal, successfully complete the connection between the batteries and the inverter. If the indicator light is abnormal, please refer to the inverter manual for the cause or contact the dealer.

3. Operating mode

3.1 Charging voltage protection and charging current protection

NL2.5 25.6V/100AH

| | | |
|-----------------------|-------------------------------|-------|
| Overcharge protection | Overcharge warning voltage | 28.4V |
| | Overcharge protection voltage | 28.8V |
| | Overcharge protection delay | 1.0S |

Charging voltage protection

| | | |
|----------------------------------|--|------|
| Charging over current protection | Charging over current warning current | 100A |
| | Charging over current protection current | 105A |
| | Charge over current protection delay | 1.0S |

Charging current protection

NL4.8 48V/100AH

| | | |
|-----------------------|-------------------------------|--------|
| Overcharge protection | Overcharge warning voltage | 53.25V |
| | Overcharge protection voltage | 54V |
| | Overcharge protection delay | 1.0S |

Charging voltage protection

| | | |
|----------------------------------|--|------|
| Charging over current protection | Charging over current warning current | 100A |
| | Charging over current protection current | 105A |
| | Charge over current protection delay | 1.0S |

Charging current protection

51.2V/200AH NL10.0

51.2V/280AH NL14.0

| | | |
|-----------------------|-------------------------------|-------|
| overcharge protection | Overcharge warning voltage | 56.8V |
| | Overcharge protection voltage | 57.6V |
| | Overcharge protection delay | 1.0S |

Charging voltage protection

| | | |
|----------------------------------|--|------|
| Charging over current protection | Charging over current warning current | 205A |
| | Charging over current protection current | 210A |
| | Charge over current protection delay | 1.0S |

Charging current protection

3.2 Discharge voltage protection and discharge current protection

NL2.5 25.6V/100AH

| | | |
|---------------------------|-----------------------------------|-------|
| over-discharge protection | Over-discharge warning voltage | 22.4V |
| | Over-discharge protection voltage | 22V |
| | Over-discharge protection delay | 1.0S |

Discharge voltage protection

| | | |
|--|---|--------|
| Discharge over current 1 protection | Discharge over current 1 alarm current | 100A |
| | Discharge over current 1 protection current | 105A |
| | Discharge over current 1 protection delay | 5.0S |
| Discharge over current 2 | Discharge over current 2 protection current | ≥120A |
| | Discharge over current 2 protection delay | 1500mS |

Discharge current protection

NL4.8 48V/100AH

| | | |
|---------------------------|-----------------------------------|------------|
| over-discharge protection | Over-discharge warning voltage | 42V |
| | Over-discharge protection voltage | 41.25 V |
| | Over-discharge protection delay | 1.0S |

Discharge voltage protection

| | | |
|--|---|--------|
| Discharge over current 1 protection | Discharge over current 1 alarm current | 100A |
| | Discharge over current 1 protection current | 105A |
| | Discharge over current 1 protection delay | 5.0S |
| Discharge over current 2 | Discharge over current 2 protection current | ≥120A |
| | Discharge over current 2 protection delay | 1500mS |

Discharge current protection

NL10.0 51.2V/200AH

NL14.0 51.2V/280AH

| | | |
|---------------------------|-----------------------------------|-------|
| over-discharge protection | Over-discharge warning voltage | 44.8V |
| | Over-discharge protection voltage | 44V |
| | Over-discharge protection delay | 1.0S |

Discharge voltage protection

| | | |
|--|---|--------|
| Discharge over current 1 protection | Discharge over current 1 alarm current | 205A |
| | Discharge over current 1 protection current | 210A |
| | Discharge over current 1 protection delay | 5.0S |
| Discharge over current 2 | Discharge over current 2 protection current | ≥250A |
| | Discharge over current 2 protection delay | 1500mS |

Discharge current protect

3.3 Ambient temperature alarm protection

| | | |
|-----------------------------|---|-------|
| Ambient temperature warning | Ambient low temperature warning temperature | -15°C |
| | Ambient low temperature protection temperature | -20°C |
| | Ambient low temperature protection release temperature | -15°C |
| | Ambient high temperature warning temperature | 65°C |
| | Ambient high temperature protection temperature | 75°C |
| | Environmental high temperature protection contact temperature | 65°C |

3.4 Other Protection

Short Circuit Protection

When there is a short circuit situation, the short-circuit protection will be triggered and the protection will be released after the load is removed or there's a charging source connected.

Self- Shutdown

When there are no external loads and power supply and no external communication for over 24 hours, the device will dormant standby automatically.

3.5 Key description and buzzer action description

Key description

- When the BMS is in sleep state, press the button (3~6S) and release it, the protection board will be activated, and the LED indicators will light up sequentially for 0.5 seconds from "RUN".
- When the BMS is active, press the button (3~6S) and then release it, the protection board will be dormant, and the LED indicators will light up for 0.5 seconds from the lowest battery light.
- When the BMS is active, press the button (6~10S) and release it, the protection board will be reset, and all LED lights will light up simultaneously for 1.5 seconds.
- After the BMS is reset, it still retains the parameters and functions set by the host computer. If it is necessary to restore the initial parameters, it can be realized through the "restore default value" of the host computer. However, the relevant operating records and stored data remain unchanged (such as power, cycle times, protection records, etc.)

buzzer action description

- When there is a fault, it will beep 0.25S every 1S;
- During protection, it beeps for 0.25S every 2S (except for over voltage protection);
- When alarming, beep 0.25S every 3S (except for over voltage alarm);

The buzzer function can be enabled or disabled through the host computer, and the factory default is disabled.

3.6 Working status of the indicator light

LED working status indication

| State | Normal / Alarm / Protection | ON/OFF | RUN | ALM | SOC Indication LEDs | | | | | | Instructions | |
|-----------|---|--------|--------|--------|--|-----|-----|-----|-----|-----|---|------------------------------------|
| | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| Power Off | Sleep | OFF | OFF | OFF | OFF | OFF | OFF | OFF | OFF | OFF | OFF | All off |
| Standby | Normal | ON | Flash1 | OFF | Indication by SOC | | | | | | Standby | |
| | Alarm | ON | Flash1 | Flash3 | | | | | | | Cell low voltage | |
| Charge | Normal | ON | ON | OFF | Indication by SOC (The top SOC Led Flash 2) | | | | | | Maximum power LED flash(flash 2),ALM does not flash for over-charge warning | |
| | Alarm | ON | ON | Flash3 | | | | | | | | |
| | Over Charge Protection | ON | ON | OFF | ON | ON | ON | ON | ON | ON | ON | If no mains supply, LED as standby |
| | Temperature. Over-current. Fault Protection | ON | OFF | ON | OFF | OFF | OFF | OFF | OFF | OFF | OFF | Close charge |
| Discharge | Normal | ON | Flash3 | OFF | Indication by SOC | | | | | | | |
| | Alarm | ON | Flash3 | Flash3 | | | | | | | | |
| | Under | ON | OFF | OFF | OFF | OFF | OFF | OFF | OFF | OFF | OFF | Close |
| | Temperature. Over-current. Short Circuit Fault Protection | ON | OFF | ON | OFF | OFF | OFF | OFF | OFF | OFF | OFF | Close discharge |
| Fault | | OFF | OFF | ON | OFF | OFF | OFF | OFF | OFF | OFF | OFF | Close charge Close discharge |

| State | | Charge | | | | | | Discharge | | | | | |
|--------------------------|--------------|--------|--------|--------|---------|--------|--------|----------------|-----|-----|-----|-----|----|
| Capacity indicator light | | L6 | L5 | L4 | L3 | L2 | L1 | L6 | L5 | L4 | L3 | L2 | L1 |
| | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Electricity (%) | 0 ~ 16.6% | OFF | OFF | OFF | OFF | OFF | flash2 | OFF | OFF | OFF | OFF | OFF | ON |
| | 16.6 ~ 33.2% | OFF | OFF | OFF | OFF | flash2 | ON | OFF | OFF | OFF | OFF | ON | ON |
| | 33.2 ~ 49.8% | OFF | OFF | OFF | flash 2 | ON | ON | OFF | OFF | OFF | ON | ON | ON |
| | 49.8 ~ 66.4% | OFF | OFF | flash2 | ON | ON | ON | OFF | OFF | ON | ON | ON | ON |
| | 66.4 ~ 83.0% | OFF | flash2 | ON | ON | ON | ON | OFF | ON | ON | ON | ON | ON |
| | 83.0~100% | flash2 | ON | ON | ON | ON | ON | ON | ON | ON | ON | ON | ON |
| Running light ● | | ON | | | | | | flash(flash 3) | | | | | |

Capacity Instructions

4. Communication Description

4.1 RS232

The BMS can communicate with the host computer through the RS232 interface, so that various information of the battery can be monitored through the host computer, including battery voltage, Current, temperature, status and battery production information, etc., the default baud rate is 9600bps.

4.2 CAN

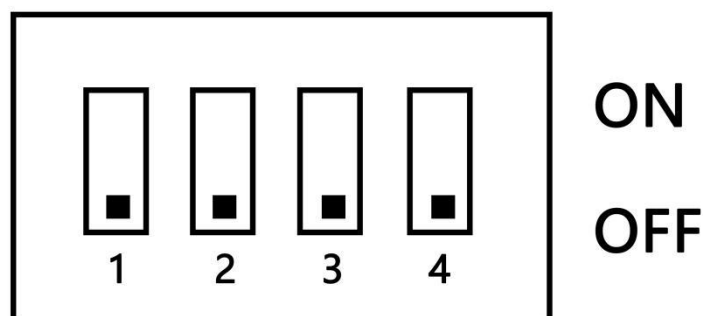
CAN communication, the default communication rate is 500K

4.3 RS485

With dual RS485 interfaces, you can view the information of PACK, and the default baud rate is 9600bps. If you need to communicate with the monitoring device through RS485, the monitoring device acts as the host and polls the data according to the address

4.4 DIP switch setting

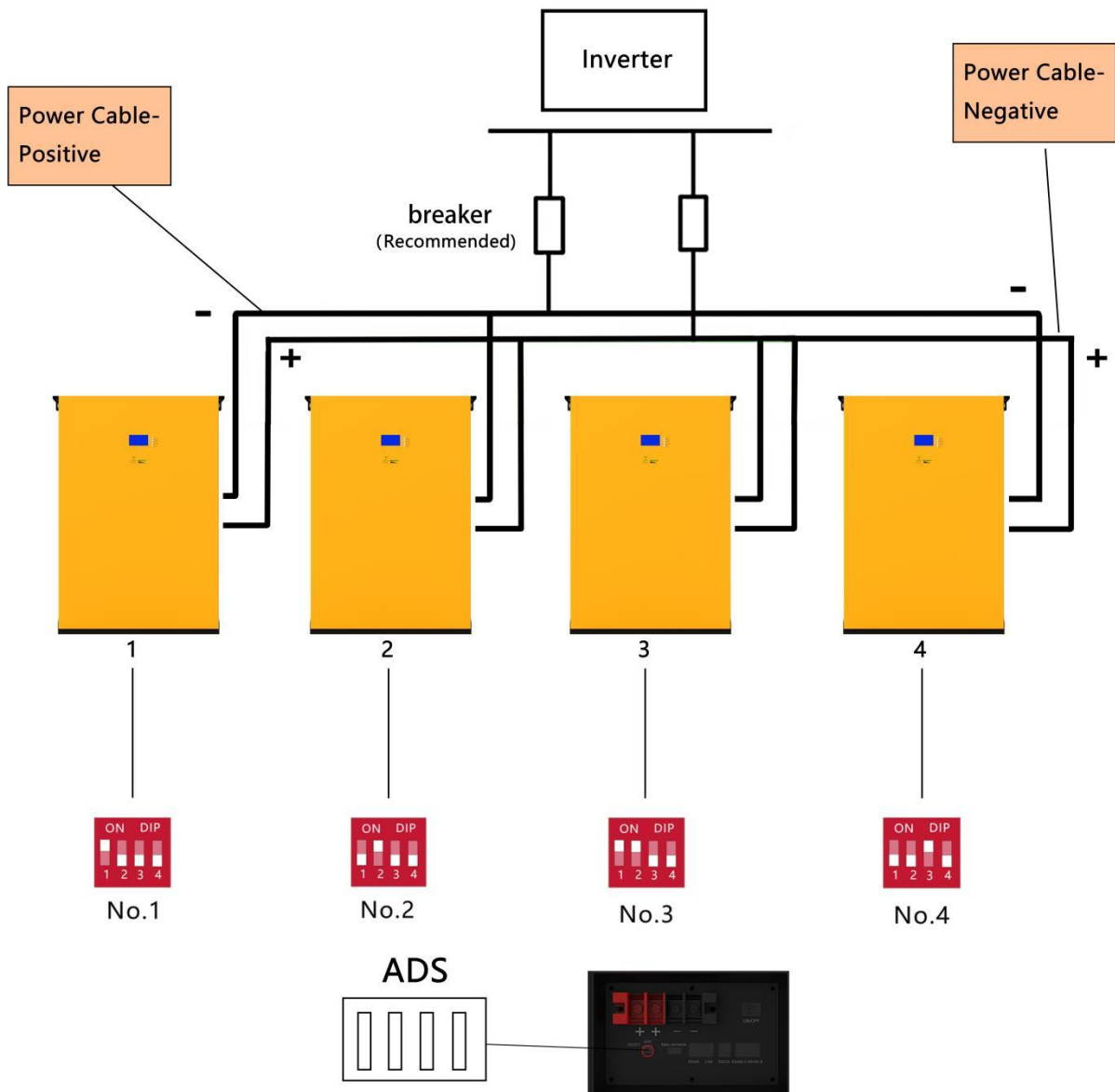
When the PACKS are used in parallel, different PACKS can be distinguished by setting the address through the DIP switch on the BMS. It is necessary to avoid setting the same address. For the definition of the BMS DIP switch, refer to the table below:



| Address | Dial code switch position | | | |
|---------|---------------------------|-----|-----|-----|
| | #1 | #2 | #3 | #4 |
| 0 | OFF | OFF | OFF | OFF |
| 1 | ON | OFF | OFF | OFF |
| 2 | OFF | ON | OFF | OFF |
| 3 | ON | ON | OFF | OFF |
| 4 | OFF | OFF | ON | OFF |
| 5 | ON | OFF | ON | OFF |
| 6 | OFF | ON | ON | OFF |
| 7 | ON | ON | ON | OFF |
| 8 | OFF | OFF | OFF | ON |
| 9 | ON | OFF | OFF | ON |
| 10 | OFF | ON | OFF | ON |
| 11 | ON | ON | OFF | ON |
| 12 | OFF | OFF | ON | ON |
| 13 | ON | OFF | ON | ON |
| 14 | OFF | ON | ON | ON |
| 15 | ON | ON | ON | ON |

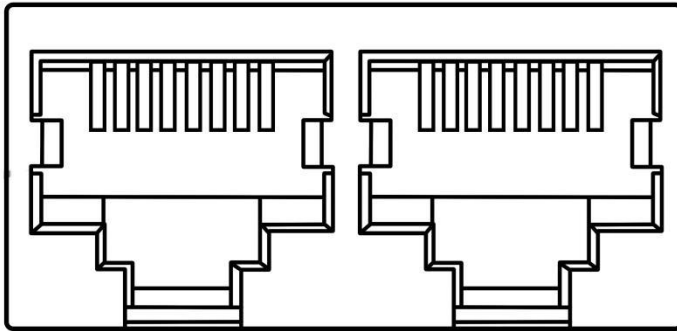
Form 4.4

Demonstration of DIP switch for 4 unit batteries in parallel

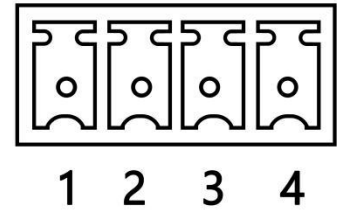


Please refer to form 4.4 for more equipment to be connected

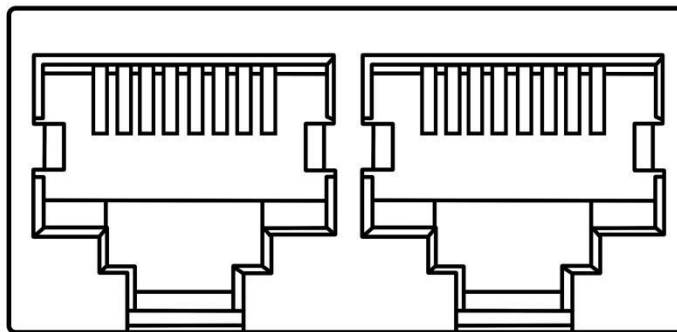
4.5 Communication interface definition as shown below



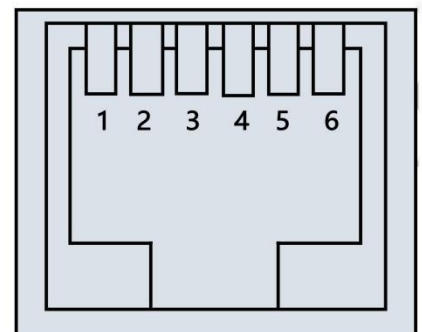
CAN and RS485 interface



Dry contact



Parallel communication port



RS232 communication port

4.6 Electrical interface definition

| RS232--Adopt 6P6C vertical RJ11 socket | |
|--|------------------------|
| RJ11 pin | Definition description |
| 2 | NC |
| 3 | TX (vener) |
| 4 | RX (vener) |
| 5 | GND |

| CAN-- adopts 8P8C vertical RJ45 socket | | RS485-- 8P8C vertical RJ45 socket | |
|--|-----------|-----------------------------------|-----------|
| RJ45 pin | specifies | RJ45 pin | specifies |
| 1、 2、 3、 6、 8 | NC | 9、 16 | RS485-B1 |
| 5 | CANL | 10、 15 | RS485-A1 |
| 4 | CANH | 11、 14 | GND |
| 7 | GND | 12、 13 | NC |

CAN and RS485 interface

| RS485-- 8P8C vertical RJ45 socket | | RS485-- 8P8C vertical RJ45 socket | |
|-----------------------------------|-----------|-----------------------------------|-----------|
| RJ45 pin | specifies | RJ45 pin | specifies |
| 1、 8 | RS485-B | 9、 16 | RS485-B |
| 2、 7 | RS485-A | 10、 15 | RS485-A |
| 3、 6 | GND | 11、 14 | GND |
| 4、 5 | NC | 12、 13 | NC |

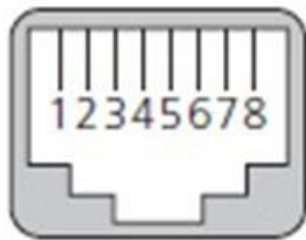
Parallel communication port

| Interface | Definition | | | |
|-----------|---|--------|------|--------|
| B+ | The positive pole of the battery PACK is used to supply power to the BMS; the positive power P+ is directly connected to the positive pole of the battery | | | |
| B- | Battery PACK negative pole | | | |
| P- | The negative electrode of the battery PACK, that is, both the negative electrode for charging and the negative electrode for discharging (the same port for charging and discharging) | | | |
| | J2-1 | NTC1 | J4-1 | NTC2 |
| | J2-2 | NTC | J4-2 | NTC |
| | J2-3 | CELL1- | J4-3 | CELL5+ |
| | J2-4 | CELL1+ | J4-4 | CELL6+ |

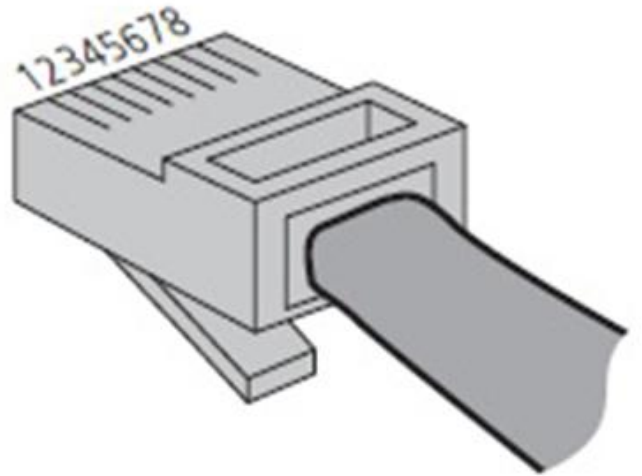
| | | | | |
|--|------|---------|------|---------|
| | J2-5 | CELL2+ | J4-5 | CELL7+ |
| | J2-6 | CELL3+ | J4-6 | CELL8+ |
| | J2-7 | CELL4+ | | |
| | J5-1 | NTC3 | J6-1 | NTC4 |
| | J5-2 | NTC | J6-2 | NTC |
| | J5-3 | NC | J6-3 | CELL13+ |
| | J5-4 | CELL9+ | J6-4 | CELL14+ |
| | J5-5 | CELL10+ | J6-5 | CELL15+ |
| | J5-6 | CELL11+ | J6-6 | CELL16+ |
| | J5-7 | CELL12+ | | |



RJ11



RJ45



4.7 Compatible to brand inverter

| NO | Brand of inverter |
|----|-------------------|
| 1 | Deye |
| 2 | Pylontech |
| 3 | Growatt |
| 4 | Sofar |
| 5 | Luxpower |
| 6 | VOLTRONIC POWER |
| 7 | Sunsynk |
| 8 | Goodwe |
| 9 | Megarevo |
| 10 | Solis |
| 11 | Must |
| 12 | Srne |
| 13 | Schneider |
| 14 | Phocos |
| 15 | Victron energy |
| 16 | Sorotec |
| 17 | SMA |
| 18 | Aoguan |
| 19 | Invt |
| 20 | Sako |
| 21 | Solark |
| 22 | Afore |
| 23 | Mppsolar |

5. Storage and use environment requirements

Working temperature: -20°C~+55°C

The charging temperature range: 0C~+55°C

Discharge temperature range: -20°C~+55°C

Storage temperature: -10°C~+35°C

Relative humidity: 5% ~ 85%RH

Altitude: no more than 4000m

During storage, recharge once every 6 months to 60%-80%DOD

Working environment: indoor installation, the site is protected from the sun, no wind, no conductive dust and corrosive gas

6. Attachment table

| NO. | Item | Quantity | Note |
|-----|----------------------|----------|-------------|
| 1 | KODAK Battery NL2.5 | 1 | 25.6V/100AH |
| | KODAK Battery NL4.8 | 1 | 48V/100AH |
| | KODAK Battery NL10.0 | 1 | 51.2V/200AH |
| | KODAK Battery NL14.0 | 1 | 51.2V/280AH |
| 2 | Positive cable | 1 | |
| 3 | Negative Cable | 1 | |
| 4 | Communication cable | 1 | |
| 5 | Expansion screw | 6 | |
| 6 | User manual | 1 | |
| | | | |

Pay attention to check before unpacking

Loading and unloading should be carried out in accordance with the rules and regulations to prevent the sun and rain.

The total number of packages should be indicated on the shipping manifest accompanying each package and checked for completeness.

During the unpacking process, handle with care to protect the surface coating of the object.

When opening the package, the installer should read the technical documents, verify the list, and ensure that the items are complete and complete according to the configuration sheet and packing list. If the internal package is damaged, the shipper should be contacted in time

For further information visit www.bluemountainpv.com

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