

DESCRIPTION

The WALLMOUNT SÉRIES is composed of 100AH certified prismatic square cells with certifications: UL9540A, UL1973, UL1642, IEC62619, IEC62660.

For more details refer to the technical sheet.



No.	Fonction
1	Positive terminal
2	Negative terminal
3	LCD – Valid for Voltage only *SOC shown is not manage by the BMS and cannot be take in consideration
4	Communication port – used to access BMS
5	ON / OFF switch for the battery

CURRENT AND LOAD VOLTAGE

DESCRIPTION	BATTERIE 25.6V
Bulk	28.8V
Absorption (optionnel)	28.8V
Float	27.2V
Charge current per unit	40A
Low disconnect voltage (BMS)	21.5 - 22.4

PARALLELING

When the DC current of the battery bank exceeds 150A, we suggest the use of BUSBAR. Each battery will connect to the BusBar using an AWG-2 cable, and then from the BUSBAR to your equipment with the cable of your choice.

ON/OFF SoftSwitch

The ON/OFF switch of the battery (SoftSwitch) has the effect of disabling or enabling the BMS. Once the BMS is deactivated, no current can enter or leave the battery. Note that it is not possible to deactivate the battery via the ON/OFF switch if the battery is in use (charging or discharging current in operation).

Even though the battery is closed by the SoftSwitch, if you apply voltage to the battery terminals, the display will still light up.

USAGE ENVIRONMENT

Type	Points required
Usage Temperature	Range of function : -20°C ~+60°C
Storage Temperature	-20°C ~+60°C
Humidity Level	<95%
Atmospheric pressure	86kPa~106kPa
Essentials	No conductive dust and corrosive gas, no vibration. Keep away from heat and flame.

CAUTIONS

Please read and respect the following battery installation conditions and use, improper installation using the battery may cause personal injury or damage the product.

1. DO NOT throw the battery in water. Store batteries in a cool, dry environment when it is not in use.
2. DO NOT ignite the battery or heat the battery to avoid explosion or other dangerous events.
3. When charging the battery, please choose specialized charging equipment and follow the correct procedures, do not use improper chargers.
4. DO NOT reverse positive and negative terminals, do not connect battery directly to AC power, avoid battery short circuit.
5. DO NOT use batteries from different manufacturers or different types and types together, and do not use old batteries with new batteries.
6. DO NOT use the battery when it becomes hot, swells, deforms, or leaks.

7. DO NOT pierce the battery with a screwdriver or other sharp object; do not throw, dab, knock or hit the battery.
8. DO NOT open or attempt to repair the battery when it is defective. Warranty invalid if the battery is repaired or disassembled.
9. The batteries are half charged before shipping, do not use the battery if it is hot, bulging or has an abnormal smell and so on, and notify the after-sales service. At once.
10. If you need to store the battery for a long time, please charge and discharge the battery every three months to ensure the best performance, and the best charge state for storage is between 50% ~ 60%.
11. Please use the battery within the temperature range set in the manual.
12. The state of charge of the batteries is 50% before shipment, please charge the battery before use.



Note: If you have specific technical issues not listed above, please contact technical staff.



STATE OF CHARGE (SOC) AND VOLTAGE WHEN DISCHARGING AT 50AH

25.6V 200A -50A discharge	
SOC	Voltage
100%	27.01
90%	26.02
80%	25.98
70%	25.87
60%	25.72
50%	25.66
40%	25.57
30%	25.40
20%	25.14
10%	24.71
0%	21.64