ML 200-51.2 II

Lithium Battery

1. Grade A new EVE 100Ah Cells.

2. Higher energy density, smaller volume for household.

3. Excellent fast charging performance, high charge/discharge current 200 Ah.

4. Built-in BMS monitors its operation and prevents the battery from operating outside design Limitations.

5. Support Connected in parallel mode for expansion.

6. More than 6000 Cycle lifetime.

7. With screen for full monitoring

8. Warranty 7 Years

Battery System Specifications

Cell

Cell Type	EVE LF100/5060118 - 3.2V 100AH	
Capacity	100Ah	
Rating Voltage	3.2V	
Impedance	IR(AC)≤0.5mΩ	

Battery System

Combination Method	16S2P	
Rating Voltage	51.2V	
Rating Capacity (0.5C)	200Ah	Discharge Capacity: 0.5C≥95%
Impedance	≤8mΩ	
Max. Charge Voltage	57.6V	Recommended 28.8V
Discharge Cut-off Voltage	44.8V	Recommended 22.4V
Max. Charge Current	200A	
Recommended Charge Current	100A	
Max. Discharge Current	200A	SOC30%～100%
Recommended Discharge Current	100A	
Peak Discharge Current/Time	250A/3S	
Cycle Life	More than 6000 cycle	@(80%DOD) 0.5C/0.5C, RT 25 C°
Battery Module Weight	≈87kg	N.W.
Dimension W×H×T	850x580x160mm	
Operating Temperature — Charge	0～65℃	
Operating Temperature — Discharge	-20～65℃	
Storage Temperature	-20～45℃	

Battery Management System BMS

Single Cell Over-Charge Cut-off Voltage	3.65V
Single Cell Under-Discharge Cut-off Voltage	2.8V
Over-Current Discharge Protection	250A/3S
Communication Mode	CAN/RS485/RS232
Matched Inverter	Growatt, Voltronic, Sofar, Luxpower, WOW, GoodWe, Victron, Sorotec GINLONG, Schneider, Senergy, SMA, MUST, TBB, STUDER, PYLON

Warning

1. Forbid Disassemble Batteries

The battery has protective component and circuit internally to avoid danger. Mishandling such as improper disassembly will destroy its protective function and make it heat, smoke, distort or burning.

2. Forbid Short-Circuit Batteries

Do not touch the plus and minus contacts with metals. Do not put the battery with metal element together in either storage or movement. If the battery is short-circuited, it carries magnified current which will cause damage and make the battery heat, smoke, distort or burning.

3. Forbid Heat and Burn The Batteries

If heating or burning the battery, it will cause the isolated element in the battery dissolved, protection function stopped or the electrode burning, over heated, which will make the battery heat, smoke, distort or burning.

4. Avoid Charging Near Fire or in The Sunlight

Otherwise, it will cause internal protection circuit and its function lost or abnormal chemical reactions, which will lead to heating, smoking, distortion or burning.

5. Danger in Using Non-indicated Chargers in

Charging in abnormal condition, the battery will cause internal protection circuit and its function lost or abnormal chemical reactions, which will lead to heating, smoking, distortion or burning.

6. Forbid Damage Batteries

Do not allow damage the batteries with the metals gouged, forged, or dropped etc. otherwise, it will cause over-heated, distort, smoke or burning, even in danger.

7. Do Not Touch The Leak-Out Batteries

The leak-out electrolyte will cause the skin uncomfortable. If it drops into eyes, do not rob the eyes but wash in time, and go to hospital for treatment.

8. Notice

The battery shall be prevented to be exposed in effulgence so as not to cause over-heated, distort, smoke and weaken its performance and cycle life.

9. Electrostatic-free

There is a protective circuit inside the battery to prevent contingency. Do not use the battery in the Electrostatic circumstances (above 1000V), for it is easily destroyed the circuit board so that the battery doses do not work and causes over-heated, distort, smoke or burning.

10. Discharging Temperature Range

Recommended discharging temperature range is 0 ∼ 40 ℃, beyond which it will result in decadence of the battery performance and shortness of its life.

11. Read Carefully read the manual before use or whenever in need!

12. Charging Method

Use the special chargers in the recommended charging method to charge the batteries.