



ML314-51.2-W08 (51.2V314Ah)



1. Advantages

- Packed with high performance LFP single cell, long life, safety and wide temperature range.
- Built-in BMS, with battery voltage, current, temperature and health management.
- LED indicate the battery SOC and operating status.
- LCD Screen display the battery voltage, current, temp., SOC detail information.
- Support communicate with solar inverter bu CAN or RS485.
- Update software by RS485 port.
- More than 15 years design life.
- Stable performance, maintenance-free.



2. Battery module specification

Item		Specification	Conditions
Nominal	Voltage	51.2V	25 °C ,0.2C
	Capacity	314 Ah	
Module weight		About 130 kg	
Dimensions(W*D*H), mm		460* 865* 250	± 2mm
Operating parameters	Charging Voltage	56.0V ±0.2	
	Discharging Voltage	46.4V	
	Charging current	Max constant charge: 200A	Recommended 150 A
	Discharging current	Max constant discharge: 200A	
Temperature	Charge range	0°C ~50 °C	
	Discharge range	-20 °C ~55 °C	
	Storage range	-20 °C ~55 °C	
BMS	Built-in BMS	Voltage, current, temperature management & cell balance	RS485,CAN communication
Service life	Design life	>15years	25 °C
	Cycle life	>8000 times, 0.5C, 80%DOD	

3. View Drawing

