Rechargeable Li-ion Battery

(51.2V 100Ah)

MAIN FEATURES

- Big discharge current, Suitable for solar system
- Smart BMS system to optimize the eormance
- RS485/CAN compatible with different brand of solar inverter

Product Specifications

Items	Specifications	Remark
Nominal Capacity	100Ah	0.2C Standard discharge
Minimum Capacity	98Ah	
Nominal Voltage	3.2V	Mean Operation Voltage
Delivery Voltage	≥3.2V	Within 10 days from Factory
Charge Voltage	3.65±0.03V	By standard charge method
Standard Charging Method	23±3℃, 0.2C constant current,3.65V constant voltage charge to 3.65V,continue charging till current decline to ≤0.02C	
Charge Current	0.2C,20A	Standard charge, charge time about 7h(Ref)
	0.5C.50A	Rapid Charge, charge time about: 2h(Ref)
Standard Discharging Method	0.2C constant current discharge to2.5V	
Cell Internal Impedance	≤2mΩ	Internal resistance measured at AC 1KHZ after 50% charge
Maximum Charge Current	0.5C,50A	For continuous charging mod
Maximum Discharge Current	1C,100A	For continuous discharging mode
Operation Temperature and relative humidity Range	Charge: 0.2C(0-10°C) 60±25%R.H.0.5C(10-45°C) Discharge:0.2C(-15~15°C)60±25%R.H.1C(15-60C)	Charge at a very low temperature such as blew 0℃,will be get a lower capacity and reduce cycle life of the battery
Storage temperature for a long time	0-45°C60±25%R.H.	Do not storage exceed half year. Must charge once when storage for half year. must charge the battery which with protect circuit when storage for three months.