LITHIUM BATTERY MODULE-YH12100(12.8V100AH)

FEATURES

HIGH ENERGY DENSITY;
SUPERIOR GRADE A LITHIUM CELLS;
*OVER 5000 CYCLES @ 100% DOD;
*ITELLIGENT BMS WITH MULTIPLE PROTECTIONS ENSURES THE EXTREME SAFETY;
*IP65 PROTECTION GRADE;
*INCREASE CAPACITY AND VOLTAGE THROUGH PARALLEL AND SERIES CONNECTIONS;
* UL, CE, UN38.3, IEC CERTIFICATED.

APPLICATIONS

SOLAR, RVS, OUTDOOR POWER SUPPLY, etc.

SPECIFICATION

Electrical Characteristics	Nominal voltage	12.8V
	Nominal Capacity	100Ah (0.5C,25℃)
	Energy	1280Wh
	Internal Resistance	≤150mΩ
	Cycle Life	>4000 cycles @1C 100%DOD 5000 cycles @0.5C100%DOD
	Months Self Discharge	<3%
	Efficiency of charge	100% @0.2C
	Efficiency of Discharge	96~99% @1C
Standard Charge	Charge Voltage	14.6±0.2V
	Charge Mode	0.2C to 14.6V, then 14.6,charge current 0.02C(CC/CV)
	Charge Current	50A
	Max Charge Current	100A
	Charge Cut-off Voltage	14.8V±0.2V
Standard Discharge	Continuous Current	100A
	Max. Pulse Current	110A(<3s)
	Discharge cut-off voltage	10.8V
Environmental	Charge Temperature	0 ℃ to 45 ℃ (32F to 113F) @60?25% Relative Humidity
	Discharge Temperature	-20 ℃ to 60 ℃ (-4F to 140F) @60?25% Relative Humidity
	Storage Temperature	0 ℃ to 40 ℃ (32F to 104F) @60?25% Relative Humidity
Mechanical	Cell & Method	3.2V100AH-4S1P
	Plastic Case	ABS
	Dimensions (in./mm.)	332*175*220 mm
	Weight (lbs./kg.)	10.3Kg
	Terminal	M8
	Color	Black