



Specification:

Electrical Characteristics	Nominal Voltage	12.8V
	Nominal Capacity	45AH
	Energy	640Wh
	Internal Resistance	≅ 20mΩ
	Cycle Life	>2000 cycles at 0.2C 100% DOD
	Months Self Discharge	<3%
	Efficiency of Charge	100% at 0.5C
	Efficiency of Discharge	96~99% at 1C
Charge	Charge Volts	14.6+/-0.2V
	Charge Mode	CC at 0.2C to 14.6V, then at CV14.6V to charge current less than 0.02C
	Charge Current	9A
	Max. Charge Current	20A
	Charge Cut-Off Voltage	15.6V+/-0.2V
Discharge	Max. Continuous Current	45A
	Max. Pulse Current	80A (<3s)
	Discharge Cut-Off Voltage	8V
Environment	Charge Temperature	0°C to 45°C (32F to 113F) at 60±25% Relative Humidity
	Discharge Temperature	- 20°C to 60°C (-4F to 140F) at 60±25% Relative Humidity
	Storage Temperature	0°C to 40°C (32F to 104F) 60±25% Relative Humidity
	Water Dust Resistance	IP56
Mechanical	Cell Material	LiFePO4
	Plastic Case	ABS
	Dimensions (in)	7.75*6.49*6.69 in
	Weight (lbs)	16.53 lbs
	Terminal	M6
BMS	Protection Function	Over charge protection、Over discharge protection、Over current protection, Short current protection、Balanced function、Temperature protection

Discharge Characteristic

