



## Specification:

<b>Electrical Characteristics</b>	Nominal Voltage	12.8V
	Nominal Capacity	55AH
	Energy	704Wh
	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
<b>Charge</b>	Charge Voltage	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	14.6A
	Max. Charge Current	25A
	Charge Cut-Off Voltage	15.6V+/-0.2V
<b>Discharge</b>	Max. Continuous Current	55A
	Max. Pulse Current	110A (<3s)
	Discharge Cut-Off Voltage	8V
<b>Environment</b>	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
<b>Mechanical</b>	Cell Material	LiFePO4
	Plastic Case	ABS
	Dimensions (inch)	9" x 5.43" x 8.31"
	Weight (lbs)	18.1 lbs.
	Terminal	M6
<b>BMS</b>	Protection Function	Over Charge Protection, Over Discharge Protection, Over Current Protection, Short Current Protection, Balance Function, Temperature Protection

## Discharge Characteristic

