



EL-12020 (20AH)



Specification:		
Electrical Characteristics	Nominal Voltage	12.8V
	Nominal Capacity	20AH
	Watt Hour	256Wh
	Internal Resistance	$\ll 50m\Omega$
	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 Voltage	14.6+/-0.2V
	Charge Mode	CC at 0.2C to 14.6V, then CV14.6V to charge current less than 0.02C
	Charge Current	2A
	Max. Charge Current	5A
	Charge Cut-Off Voltage	15.6V+/-0.2V
Discharge	Max. Continuous Current	40A
	Max. Pulse Current	60A (<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	N/A
Mechanical	Cell Material	LiFePO4
	Plastic Case	ABS
	Dimensions (in.)	7.36" x 3" x 6.57"
	Weight (lbs.)	5.4 lbs.
	Terminal	Screw Terminal
BMS	Protection Function	Over Charge Protection, Over Discharge Protection, Over Current Protection Short Circuit Protection, Balance Function, Temperature Protection

Discharge Characteristic

