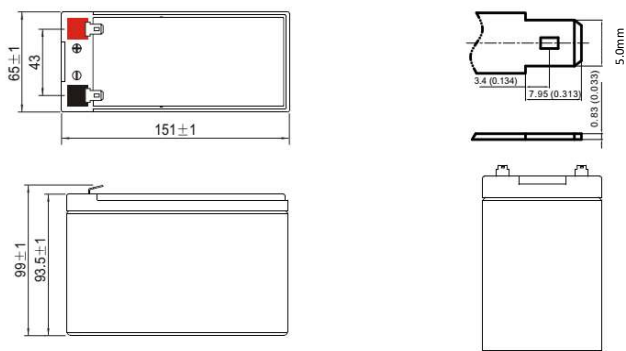


Lithium Iron Phosphate (LiFePO4) Battery

LFP12-7 (12.8V_7Ah)



Physical Dimension

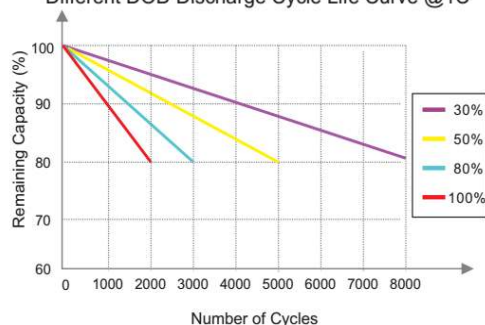


Specification:

Electrical Characteristics	Nominal Voltage	12.8V
	Nominal Capacity	7AH
	Energy	89.6Wh
	Internal Resistance	≤60mΩ
	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 at CV14.6V to charge current less than 0.02C
	Charge Current	1.5A
	Max. Charge current	7.5A
	Charge cut off voltage	15.6V+/-0.2V
Discharge	Max. Continuous Current	7.5A
	Max. Pulse Current	15A (<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 chemistry	LiFePO4
	Plastic Case	ABS
	Dimensions (in./mm)	151*65*99mm
	Weight (lbs./kg.)	1.1KG
	Terminal	T2
BMS	Protection function	Over charge protection, Over discharge protection, Over current protection, Short current protection, Balancing function, Temperature protection

Discharge Characteristics

Different DOD Discharge Cycle Life Curve @1C



Cycle Life Performance Curve@25°C

