



# LiFePO4 12V-50AH

## DEEP CYCLE BATTERY



### TECHNICAL PARAMETERS

Battery Specifications		Additional Specifications	
Battery Chemistry	LiFePO4	Self-Discharge Rate	≤ 2% per month (Turn off)
Nominal Voltage	12.8 V	Series Connection	4 units in series connection
Rated Capacity	50 Ah	Memory Effect	None
Rated Energy	640Wh @ 100% DOD	Warranty	3 years
Max. Continuous Discharge Current	50A	Efficiency Rating	96%
Max. Continuous Charge Current	50A	Communications	N/A
Depth of Discharge	100%	Certifications	UL 1642, UL 1973, UN 3480 and UN DOT 38.3
Charging Temperature <sup>1</sup>	(0~49°C)32~120°F		
Operating Temperature <sup>1</sup>	(-20~60°C)-4~140°F		
Storage Temperature	6 months: -10~25°C(14~77°F)		
	3 months: -20 ~ 45°C (-4 ~ 113°F)		
Cycle Life	4000+ cycles @ 80% DOD		
Service Life	5+ Years		
Mechanical Specifications		Protection Functions	
Dimensions	L198*W166*H170mm	Overcharge Protection	Yes
Weight	6.2kg(13.67 lbs)	Overdischarge Protection	Yes
Terminals	M6*16	Overcurrent Protection	Yes
		Overtemperature Protection	Yes
		Short Circuit Protection	Yes
		Cell Balancing	Passive Balancing