

LiFePO4 Battery

SL SERIES

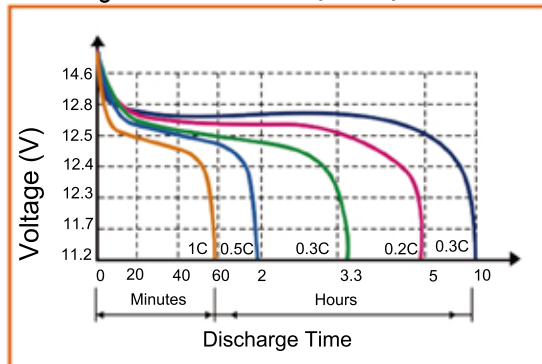


Features

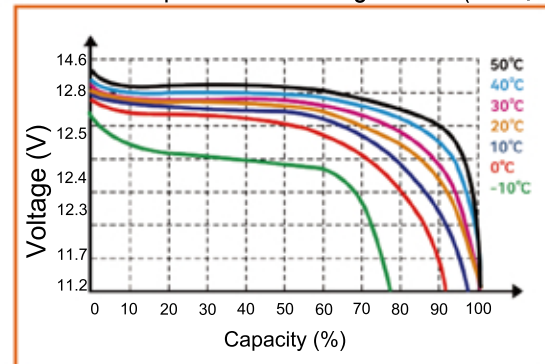
-  Lithium iron phosphate battery cells
-  Long service life
-  High power output
-  Multiple security measures
-  Multiple charging methods
-  Safe and efficient

Performance Curve

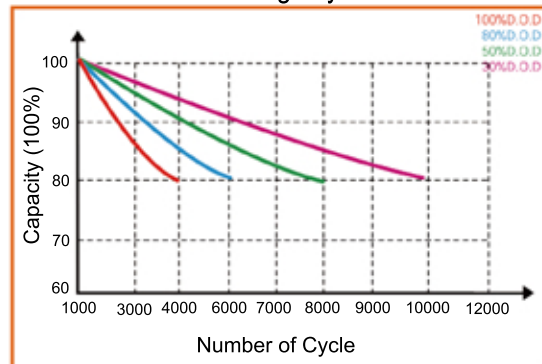
Discharge characteristics (25°C)



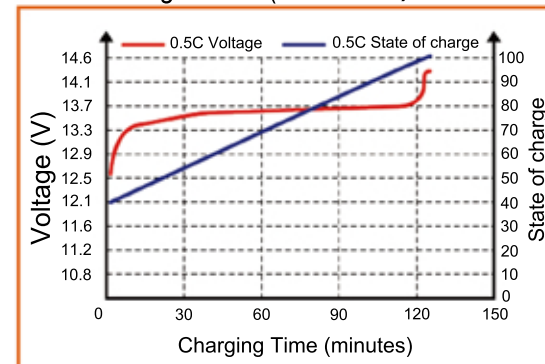
Different temperature discharge curve (0.5C)



Disfferent DOD discharge cycle life curve 0.2C 25°C



State of charge curve (0.5C 25°C)



Data Sheet

Model	SL-12.8-100AH
Electrical Characteristics	
Nominal Voltage	12.8V
Nominal Capacity	100AH@0.2C
Energy	1280WH
Cycle Life	4000 cycles @ 0.2C charging / discharging until 80%
Self Discharge	≤ 3.5% per month at 25°C
Standard Charging	
Max. Charging Voltage	14.0-14.6V
Charging Mode	At 0°C-45°C temperature charged to 14.6V at a constant current of 0.2C, and then charged continuously with constant voltage of 14.6V until the current was not more than 0.02C.
Charging Current	20A
Max. Charging Current	50A
Standard Discharging	
Discharging Current	50A
Max. Continuous Current	50A
Discharging Cut-off Voltage	10.8V
Operating Condition	
Charge Temperature	0°C to 45°C (32°F to 113°F) @ 60 ± 25% relative humidity
Discharge Temperature	-20°C to 60°C (-4°F to 140°F) @ 60 ± 25% relative humidity
Storage Temperature	0°C to 45°C (32°F to 113°F) @ 60 ± 25% relative humidity
Connect Mode	4 PCS in series at most
Structure	
Casing	ABS
Dimension (L*W*H)	330*172*215mm
Weight	Approx. 10.0kg
Terminal	M8

Constant Current Discharge Data (Amperes @ 25°C) (Cut off voltage 10.8V)

Discharging Time	1H	2H	3H	4H	5H	10H	20H
Discharging Voltage	100A	50A	33.4A	25A	20A	10A	5A

Constant Current Discharge Data (Watts @ 25°C) (Cut off voltage 10.8V)

Discharging Time	1H	2H	3H	4H	5H	10H	20H
Discharging Voltage	1280W	640W	426.7W	320W	256W	128W	64W

