

LFELi 12100L-Bluetooth Enabled

LiFePO4 specifications

FEATURES



• **Longer Cycle Life** - Offers up to 20 times longer cycle life & 5 times longer calendar life than lead acid batteries, minimizing replacement cost.



• **Superior Safety** - Lithium Iron Phosphate chemistry eliminates explosion risk or combustion due to high impact, overcharging or short circuit situation.



• **Higher Power** - Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.



• **Wider Temperature Range** - $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$.




• **Lighter Weight** - About 40% of the weight of a comparable lead acid battery. A 'drop in replacement' for lead acid batteries.




• **Bluetooth Enabled** - Bluetooth app that allows temperature, voltage, current and SOC monitoring.





12kg

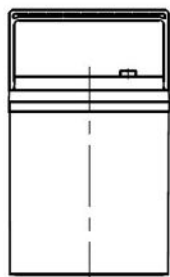
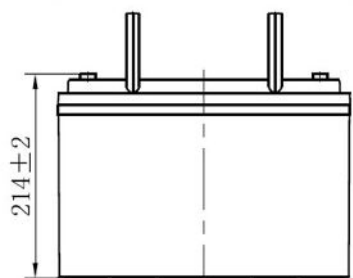
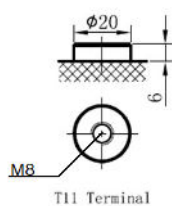
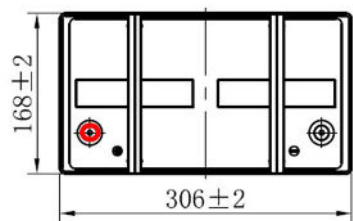
 Electric Wheelchairs & Electric scooters

 Solar/wind Energy Storage

 Caravan power

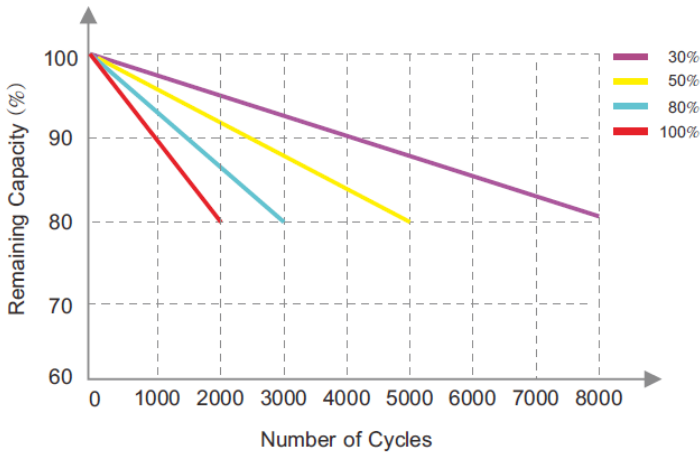
 Power tools

 Backup power for UPS systems

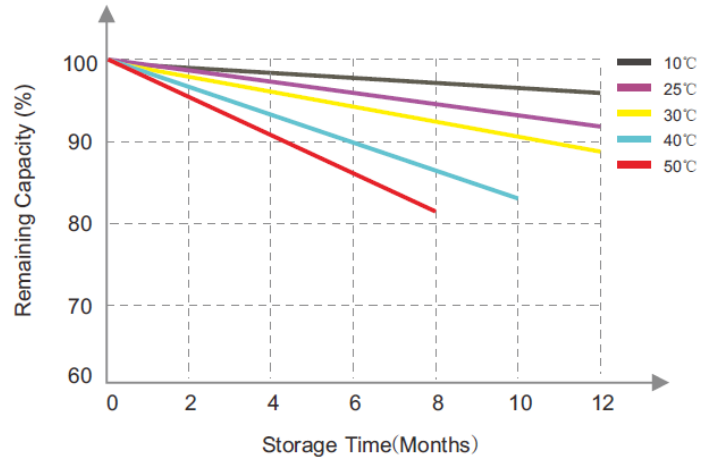


Model:	LFELi 12100L
Nominal voltage:	12.8V
Nominal Capacity:	100Ah
Energy:	1280Wh
Voltage range:	10.8~14.6V (limit: 8.8~15V)
Internal resistance:	<50mΩ
Cycle life:	>2000 cycles @0.2C 100%DOD
Self discharge per month:	<3%
Charge voltage:	14.6 ±0.2V
Charge current:	Recommended 20~50A
Max Discharge current:	100A Continuous (150A Pulse)
Communication:	Bluetooth
Temperature Range:	-20~60 °C

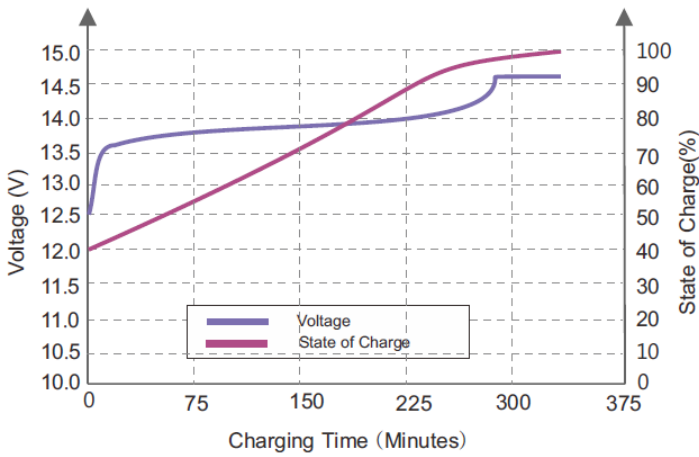
DOD Discharge Cycle Life Curve



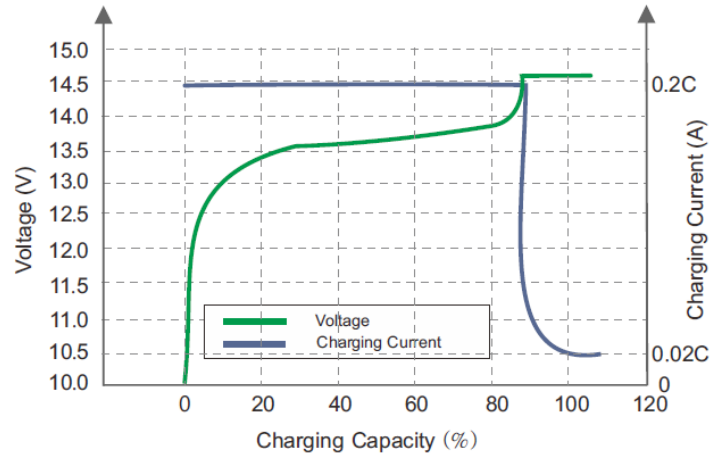
Temperature Self Discharge Curve



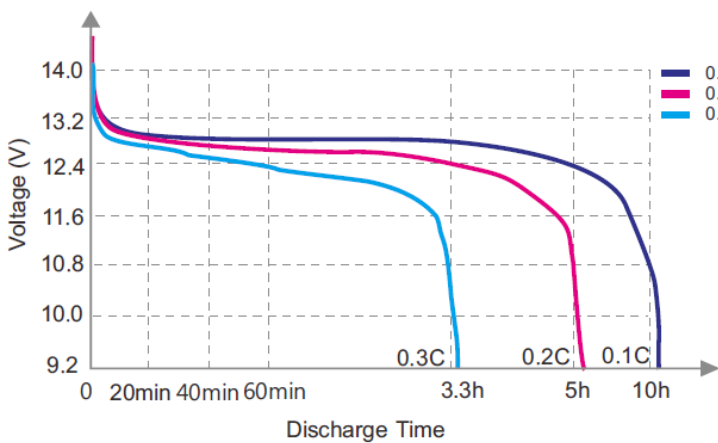
State of Charge Curve(0.2C, 25°C)



Charging Characteristics(0.2C, 25°C)



Discharge Rate Curve(25°C)



Temperature Discharge Curves(0.3C)

