LW-Life-EL-25.6V50AH Lithium Ion Phosphate(LiFePO4) Battery

Features of lithium battery

Longer Cycle Life: Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.

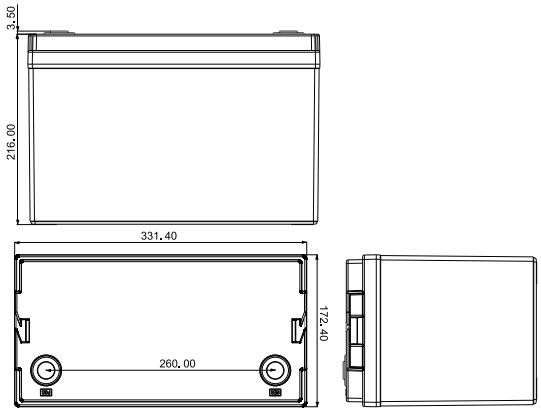
Lighter Weight: About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.

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

Wider Temperature Range: -10°C~50°C.

Superior Safety: Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.

Physical Dimension-mm



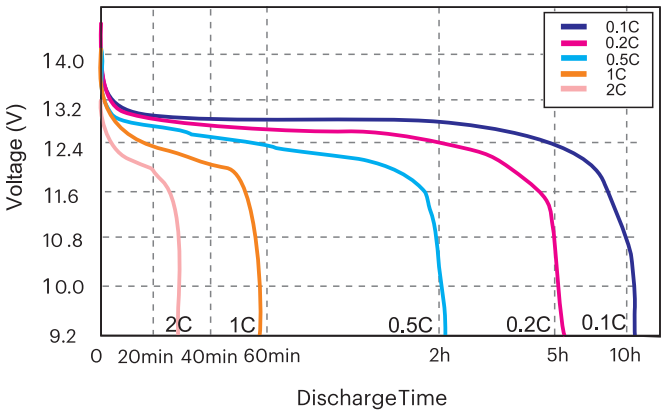
Typical Applications

※ Suitable for Lawn and Garden Tools
※ Parking Lot
※ Garage
※ Warehouse Automatic Door Power Supply
※ Home Use Car
※ Marine Backup Power Supply
※ Photovoltaic 12V, 24V, 48V Off-grid Applications
※ Telecom Base Station Energy Storage
※ Electric Wheelchairs
※ Scooters
※ Golf Cart
※ Parking Air Conditioning Power Supply

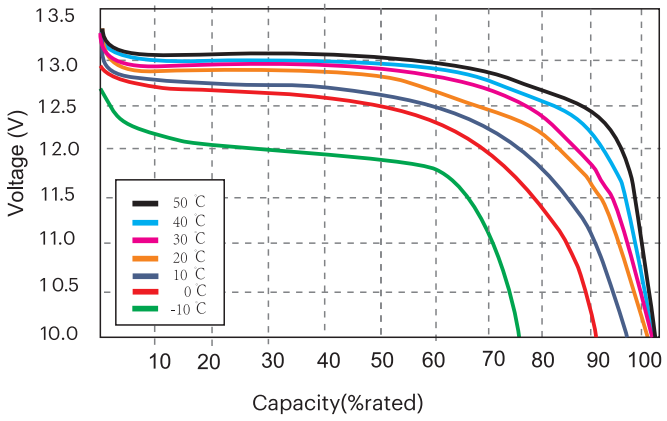
Specification

MODEL	LW-Life-EL-25.6V50AH
Cell	Lithium iron phosphate
Nominal voltage	25.6V
Nominal capacity	50Ah
Energy	1280Wh
Charging Voltage	28.8V
Floating Voltage	28.2V
Recommend Cutoff Voltage	24V
Cutoff Voltage	22.4V
Max Charging Current	100A(Recommend 20A)
Max Discharging Current	100A(Recommend 20A)
Series parallel mode	8S1P
Operating temperature	Charging O~+55 |Humidity 15%~75%|Storage 10~+50
Protection	Electronic circuit breaker,BMS voltage protection,current limiting
Water dust resistance	IP65
Net Weight	≈10.1Kg
Product Size	≈331*172*216mm

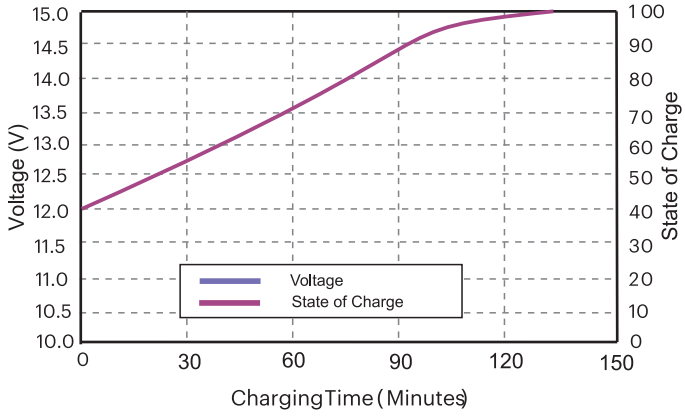
Different Rate Discharge Curve (25°C)



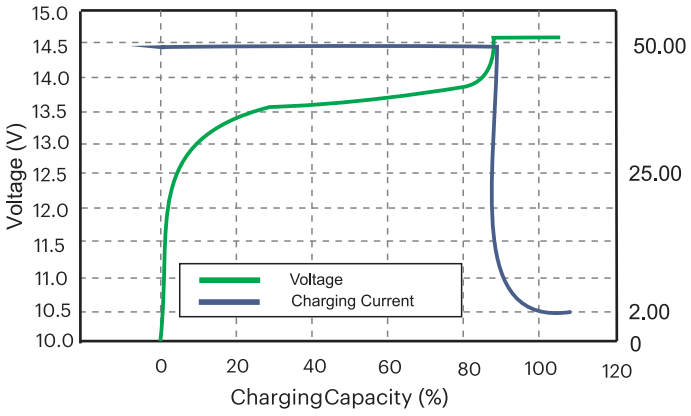
Different Temperature Discharge Curve At 0.5c



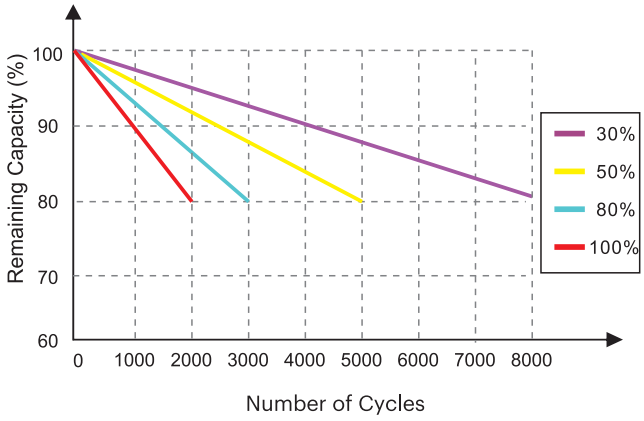
State Of Charge Curve At 0.5c (25°C)



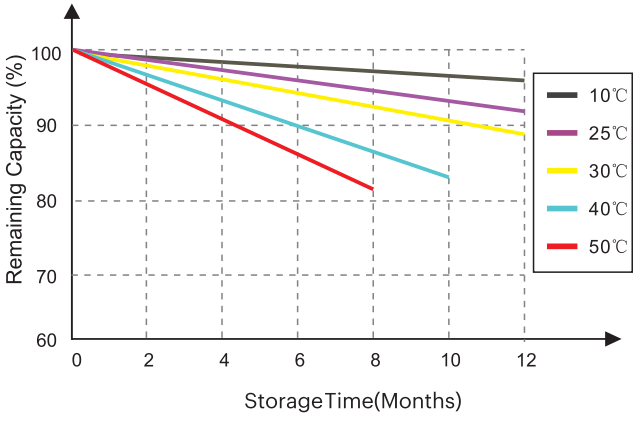
Charging Characteristics At 0.5c (25°C)



Cycle Life Curve At 1c According Dod



Self Discharge Characteristics Curve



·Do not use lead-acid chargers and roadside charging stations for lithium batteries.
·Do not touch positive and negative terminals to prevent short circuits.
·Avoid overvoltage and over-power usage.
·Recharge the battery every 3 months if not used for a long time.
·Keep away from children and fire sources during charging, usage, and storage.
·Stop using a wet battery to avoid consequences.
·Do not disassemble, dissect, get wet, drop, squeeze, or crush the battery.

Stop the battery operation immediately to secure the battery safety when environmental temp is over working temp.
If battery is at high temperature usually, it will impact battery's performance.

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