

Li-Gen[®] The Next Generation of Battery Technology

Lithium Iron Phosphate (LiFePO₄) Battery

PN: Li200

Features

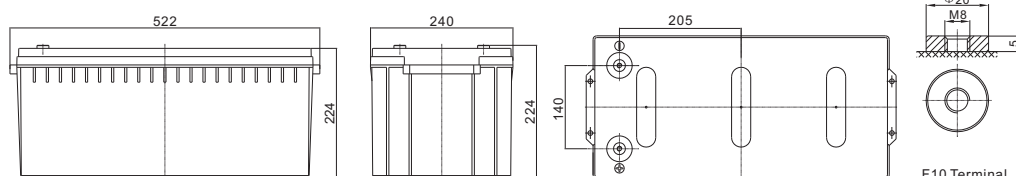
- ◆ Using the technology of Lithium Iron Phosphate Cell, superior safety, thousands of cycles, to 100% DOD, under normal conditions.
- ◆ Built-in Automatic Protection for over-charge, over- discharge, over-current and over-temperature.
- ◆ Maintenance Free
- ◆ Internal cell balancing.
- ◆ Lighter weight: About 40% ~70% of the weight of a comparable lead acid battery.
- ◆ Wider temperature range: -20°C~60°C.
- ◆ Safety: No Hazardous Gas Generated during Charging
- ◆ 6 year Guarantee
- ◆ All the Components in the Battery can be recycled or Repurposed at the End of useful Life Saving the Environment.



Application

- ◆ UPS
- ◆ Solar & Wind Power System
- ◆ Mobility
- ◆ Electric Vehicle, E-bike, E-Rickshaw etc.
- ◆ Lighting
- ◆ Leisure and Marine

Dimensions



General Specifications

Electrical Characteristics	Nominal Capacity	200 Ah @ 20HR
	Nominal Energy	2560 Wh @ 20HR
	Internal Resistance	<45mΩ
	Cycle Life	2000 Cycles @ 0.5C Charging/Discharging, Until 80% Capacity
	Self Discharge	≤3.5% per month at 25°C
	Max.Charging Voltage	13.5V Float 14.6V Bulk
Standard Charging	Charging Mode	At 0 °C~45 °C temperature, charged to 14.6V at a constant current of 0.2C" 5A" , and then, constant voltage of 14.6V until the current is not more than 0.02C"5"A
	Charging Current	100 Amp
	Max. Charging Current	150 Amp
	Max Discharging Current	200 Amp
Standard Discharging	Max. Continuous Current	150 Amp
	Discharging Cut-off Voltage	10V
Operating Condition	Charge Temperature	0 °C to 45 °C(32 °F to 113 °F) @60±25%
	Discharge Temperature	-20 °C to 60 °C(-4 °F to 140 °F) @60±25%
	Storage Temperature	0 °C to 45 °C(32 °F to 113 °F) @60±25%
	Ingress Protection	IP55
Structure	Cell & Arrangement	Prismatic 2P4S
	Casing	Plastic
	Dimension (L*W*H)	522X240X224mm
	Weight	Approx.19Kg
	Terminal Bolt	M8

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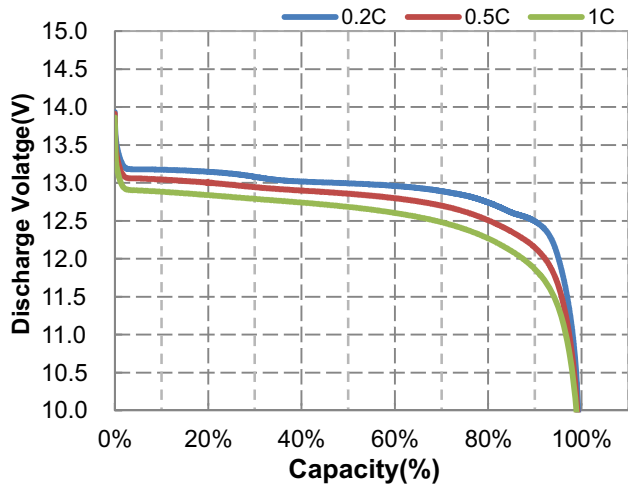
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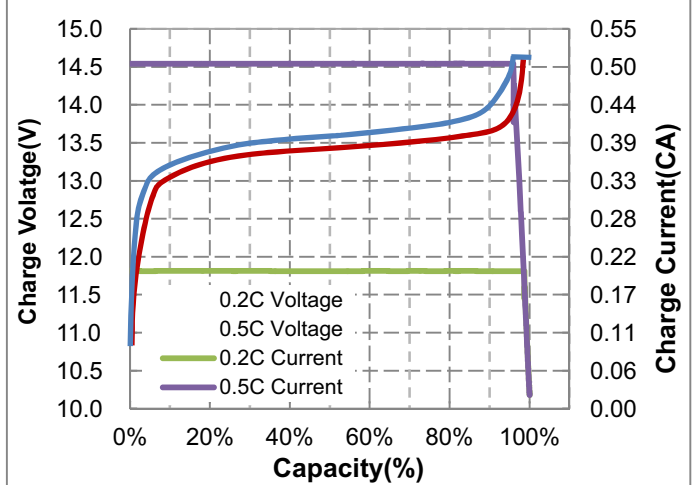
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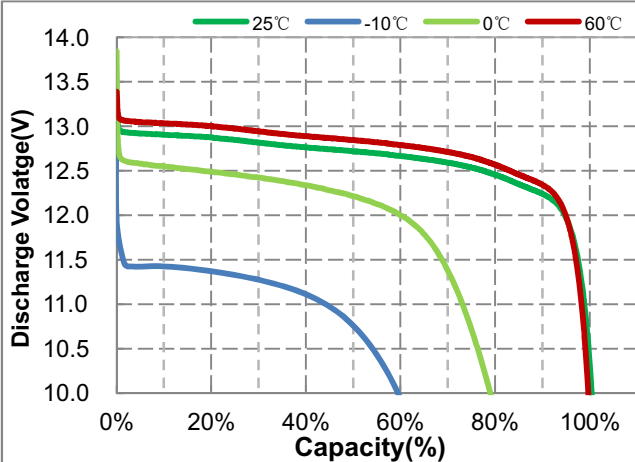
Different Rate Discharge Curve @25°C



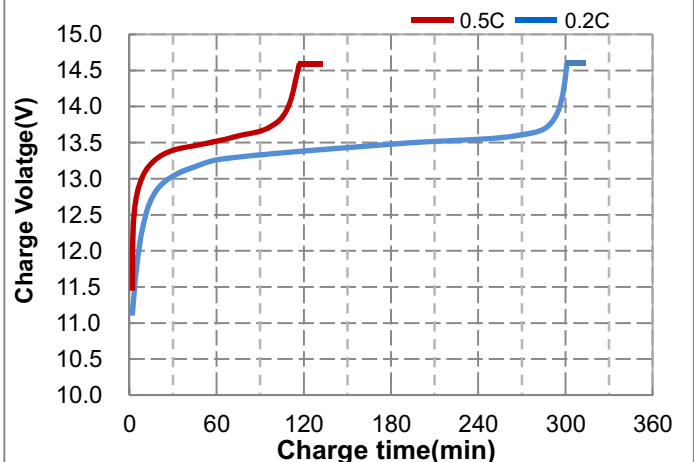
Charge Characteristics of capacity-voltage@0.2C&0.5C, 25°C



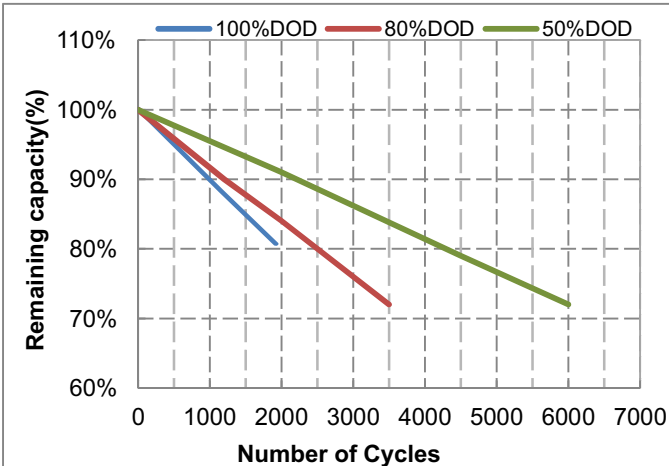
Different Temperature Discharge Curve @0.5C, 25°C



Charge Characteristics of time-voltage@0.2C&0.5C, 25°C



Different DOD Discharge Cycle Life Curve @0.2C, 25°C



Open circuit voltage VS SOC%@25°C

