
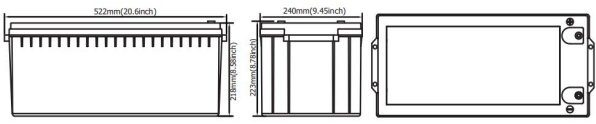


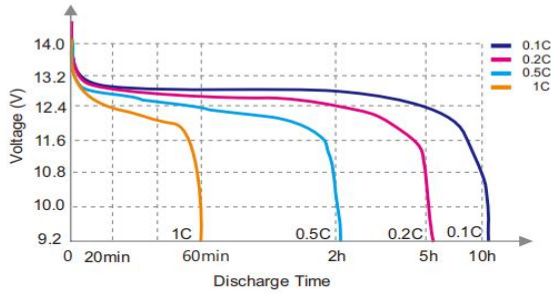
Lithium Iron Phosphate (LiFePO4) Battery		
LTH12-250	12.8V250AH 3200Wh	
<b>Features of LiFePO4 Battery</b>		
<p><b>Longer Cycle Life</b> LiFePO4 batteries would be is five times than SLA batteries on cycle life</p> <p><b>High Power &amp; Light weight</b> LiFePO4 batteries performance twice power of SLA batteries, while half weight helpful for transport and installation</p> <p><b>Intelligent management control</b> Intelligent BMS system covered by LFP batteries to ensure that batteries work on safety and perfect condition</p> <p><b>Lower Self-discharge rate</b> Lower Self-discharge rate to guarantee LFP batteries be stored more longer than SLA batteries</p>		
		
<b>Physical Dimension</b>		
		
<b>Applications</b>		
<ul style="list-style-type: none"> <li>• Wheelchairs and scooters</li> <li>• UPS (replacement of SLA batteries)</li> <li>• Solar/wind energy storage</li> <li>• Golf trolleys &amp; buggies</li> <li>• Electric bikes</li> </ul>		
<b>Electrical Characteristics</b>	Chemistry	LiFePO4
	Nominal Voltage	12.8V
	Nominal Capacity	250Ah (C5,25°C)
	Energy	3200Wh
	Internal Resistance	≤50 mΩ
	Cycle Life	>3000 cycles @1C 80%DOD
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.5C
	Efficiency of Discharge	96-99% @1C
<b>Standard Charge</b>	Charge Voltage	14.6±0.2V
	Charge Mode	0.2C to 14.6V, then 14.6V, charge current to 0.02C (CC/CV)
	Charger Current	100A
	Max. Charge Current	200A
	Charge Cut-off Voltage	14.6V±0.2V
<b>Standard Discharge</b>	Rated Discharge Current	100A
	Max Discharge Current	200A
	Max. Pulse Current	600A(<3s)
	Discharge Cut-off Voltage	10V
	Charge Temperature	0 °C to 45 °C
	Discharge Temperature	-20 °C to 60 °C
	Storage Temperature	0 °C to 40 °C
	Water Dust Resistance	IP65
<b>Mechanical</b>	BMS	200A with Bluetooth and with 1A Balancer (4S6P)
	Plastic Case	ABS
	Dimensions (mm.)	522 x 240 x 218 mm
	Weight about (kg.)	23.3 kg
	Terminal	M8

# Lithium Iron Phosphate (LiFePO4) Battery

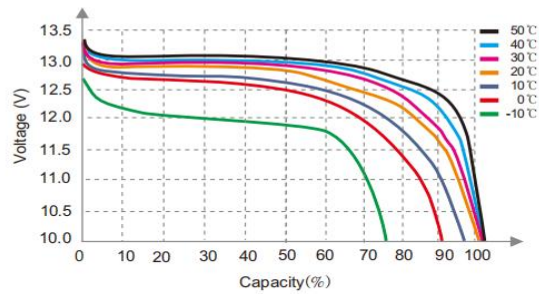
LTH12-250

12.8V250AH 3200Wh

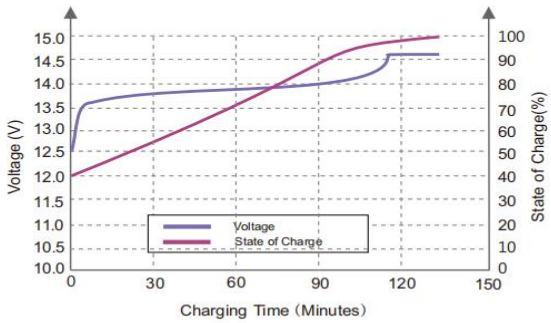
Different Rate Discharge Curve(25°C)



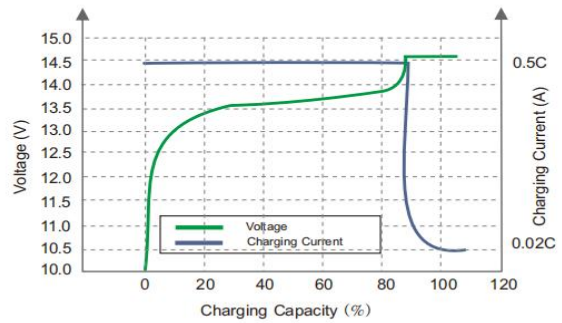
Different Temperature Discharge Curve(0.5C)



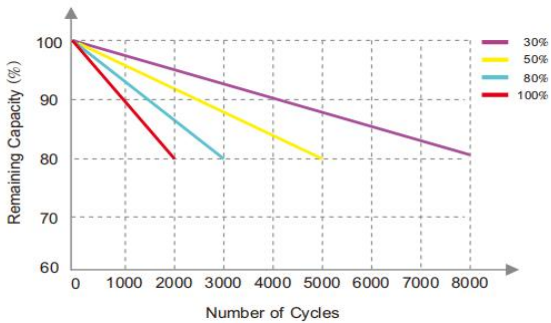
State of Charge Curve(0.5C, 25°C)



Charging Characteristics(0.5C, 25°C)



Different DOD Discharge Cycle Life Curve(1C)



Different Temperature Self Discharge Curve

