
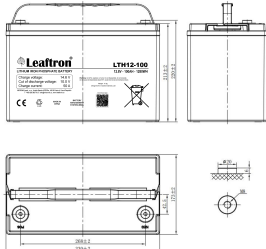


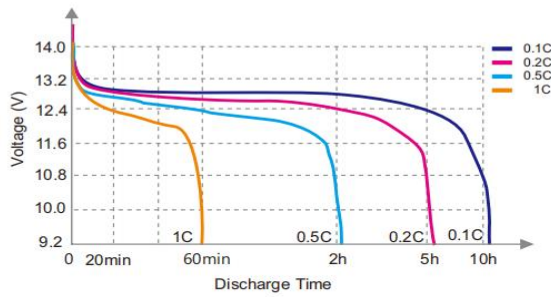
Lithium Iron Phosphate (LiFePO4) Battery		
LTH12-100		12.8V100AH 1280Wh
Features of LiFePO4 Battery		
Longer Cycle Life LiFePO4 batteries would be is five times than SLA batteries on cycle life		
High Power & Light weight LiFePO4 batteries performance twice power of SLA batteries, while half weight helpful for transport and installation		
Intelligent management control Intelligent BMS system covered by LFP batteries to ensure that batteries work on safety and perfect condition		
Lower Self-discharge rate Lower Self-discharge rate to guarantee LFP batteries be stored more longer than SLA batteries		
Physical Dimension		Applications
		<ul style="list-style-type: none">●Wheelchairs and scooters●UPS (replacement of SLA batteries)●Solar/wind energy storage● Golf trolleys & buggies● Electric bikes
Electrical Characteristics	Chemistry	LiFePO4
	Nominal Voltage	12.8V
	Nominal Capacity	100Ah (C5,25°C)
	Energy	1280Wh
	Internal Resistance	≤50 mΩ
	Cycle Life	>3000 cycles @1C 80%DOD
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.5C
Standard Charge	Efficiency of Discharge	96-99% @1C
	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	50A
	Max. Charge Current	100A
Standard Discharge	Charge Cut-off Voltage	14.6V±0.2V
	Rated Discharge Current	50A
	Max Discharge Current	100A
	Max. Pulse Current	300A(<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
Mechanical	Water Dust Resistance	IP65
	BMS	100A with Bluetooth and with 1A Balancer (4S6P)
	Plastic Case	ABS
	Dimensions (mm.)	330 x 172 x 215 mm
	Weight about (kg.)	10.0 kg
	Terminal	M8

Lithium Iron Phosphate (LiFePO₄) Battery

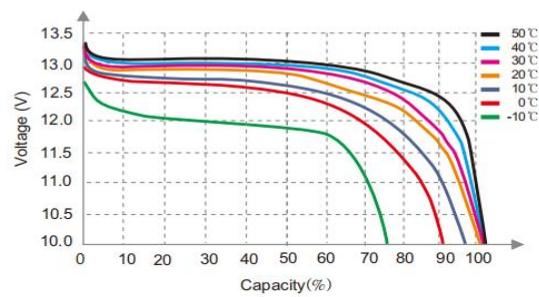
LTH12-100

12.8V100AH 1280Wh

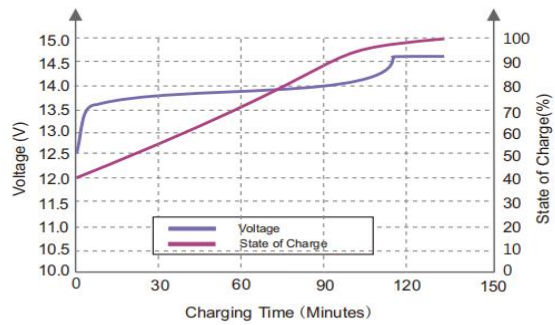
Different Rate Discharge Curve(25°C)



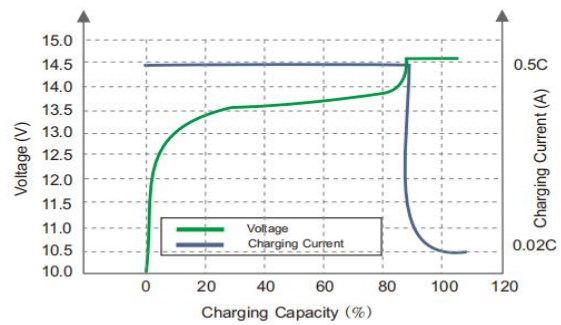
Different Temperature Discharge Curve(0.5C)



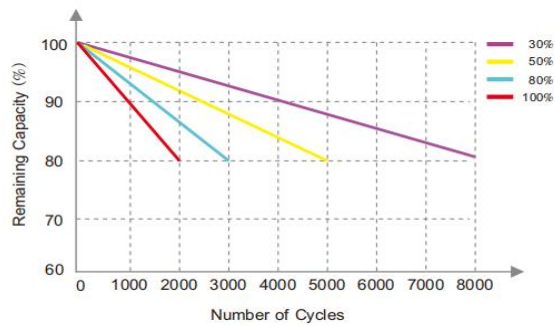
State of Charge Curve(0.5C, 25°C)



Charging Characteristics(0.5C, 25°C)



Different DOD Discharge Cycle Life Curve(1C)



Different Temperature Self Discharge Curve

