

LiFePO4 BATTERY

Replacement for lead acid battery



LTT-LAR12100P3

(12.8V100Ah)



► Product Features

- ◆ Using the technology of lithium iron phosphate cell, superior safety, thousands of cycles, 100%DOD, under normal conditions.
- ◆ Built-in automatic protection for over-charge, over discharge, over current and over temperature.
- ◆ Free of maintenance .
- ◆ Internal cell balancing.
- ◆ Lighter weight: About 40% ~50% of the weight of a comparable lead acid battery.
- ◆ Replacement for lead-acid battery.
- ◆ Wider temperature range:-20°C~60°C.
- ◆ Support for Series application expansion

Electrical Characteristics

Nominal Voltage	12.8V
Nominal Capacity	100Ah@0.2C
Min. Capacity	100Ah@0.2C
Nominal Energy	1280Wh
Internal Resistance	≤20mΩ
Cycle Life	4000+Cycles @ 90% DoD @ 25°C
Self Discharge	≤3.5% per month at 25°C

Standard Charge & Discharge

Max.Charging Voltage	14.0~14.4V
Charging Mode	CC-CV
Standard Charge Current	20A
Max.Charging Current	50A
Standard Discharge Current	20A
Max. Continuous Discharging Current	100A
Max.Pulse Current	250A(<3S)
Discharging Cut-off Voltage	10.8V

Operating Condition

Charge Temperature	0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity
Discharge Temperature	-20°C to 60°C(-4°F to 140°F) @60±25% Relative Humidity
Storage Temperature	0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity

Structure

Casing	Plastic
Dimension(L*W*H*TH)	330*172*215mm
Weight	Approx.12.8Kgs
Terminal	M8
Ingress Protection	IP65

Certifications

■ UL1642 (Cell) ■ IEC62133 (Cell) ■ IEC62619 (Cell) ■ CE (Cell) ■ UN38.3 (Cell / Pack) ■ ROHS (Cell)

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AM² ENERGY SOLUTION

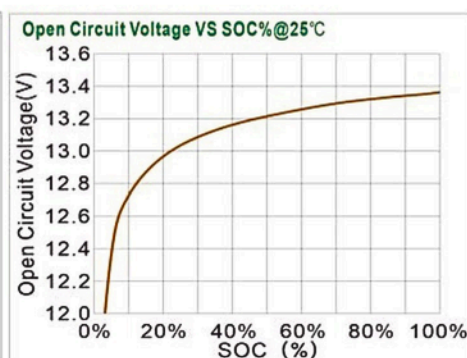
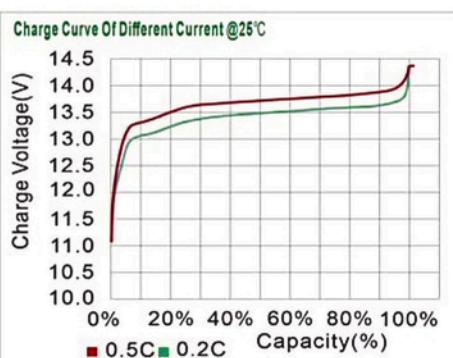
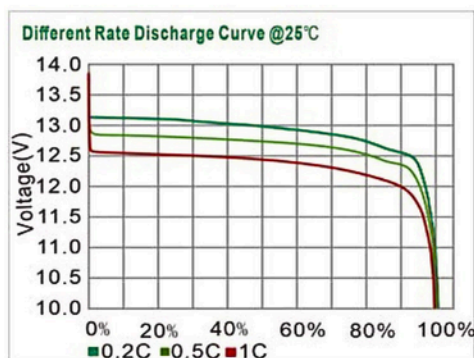
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Dimensions



Characteristic Curves



Market Application



Low-speed car



Golf cart



Light EV



Robotics



Cleaning



Solar & Wind



Lighting

Package

20' Container=11Pallets=792Cartons=792Units;

40' Container=23Pallets=1656Cartons=1656Units;



Product



Packing

Weight:13.2Kg/carton
Size(L×W×H): 355×195×250mm
Quantity:1PC/carton



Pallet

Weight: 965Kg/pallet
Size(L×W×H)=1.2×0.8×1.63m ≈ 1.56CBM
Quantity:72Cartons/Pallet