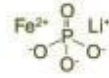


The Lithium Battery Specialists



Eco Tree Lithium



Lithium Iron Phosphate (LiFePO₄) Battery

Part Number EL12.8 - 320

GENERAL SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Nominal Voltage	12.8V
Nominal Capacity	320Ah
Energy	3955Wh

STANDARD DISCHARGING

Discharging Current	43.2A
Max. Continuous Current	100A
Max Pulse Current	200A

STANDARD CHARGING

Charging Voltage	14.6
Charging Current	50.2A
Max Charging	100A

MECHANICAL

Casing	ABS UL94-Vo Flame Resistant
Dimension(L x W x H)	522 x 238 x 220mm
Weight Approx.	36.1Kgs
Terminal	M8/ Screw insert

Accreditation

Water Dust Resistance	IP56
Air Safety Number	UN38.3
European Conformity	93/66/EEC

FEATURES

- Using grade A European technology lithium iron phosphate cell's, giving superior safety, thousands of cycles, that can be discharged to give 100%DOD,
- Built-in automatic (BMS) protection for overcharge, over discharge, over current and over temperature. Complete protection
- Maintenance free
- Internal cell balancing
- Lighter weight: Around 50% of the weight of a comparable lead acid battery
- Can be charged using most standard lead-acid battery chargers
- Wider operating temperature range between -20°C~60°C

APPLICATION

- Recreational Vehicles
- Marine
- Renewable Energy
- Medical / Mobility
- Electric Vehicles
- Golf Cart

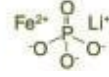


Water Dust Resistance

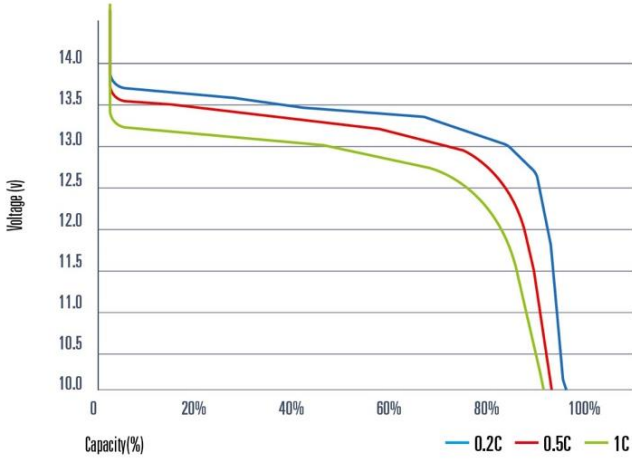
The Lithium Battery Specialists



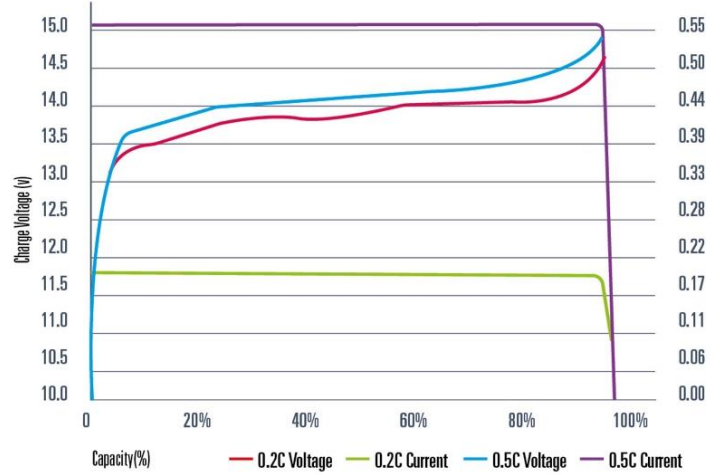
Eco Tree Lithium



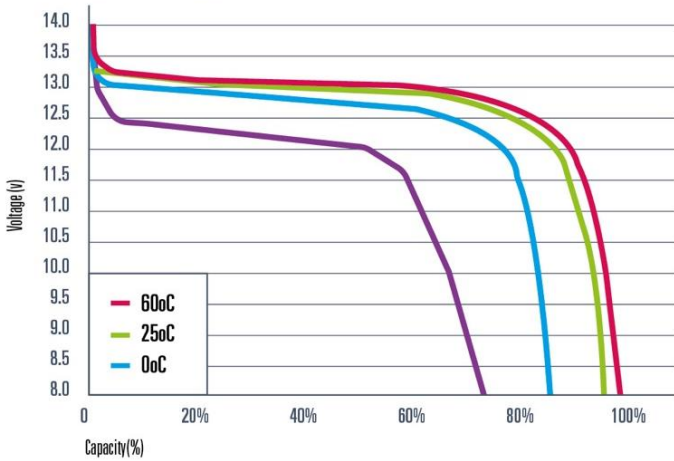
Different Rate Discharge Curve @ 25°C



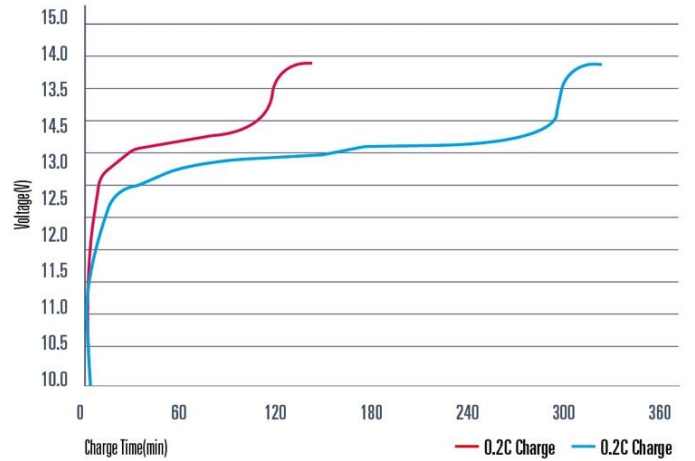
Charge Characteristics @ 0.2C & 0.5C, 25°C



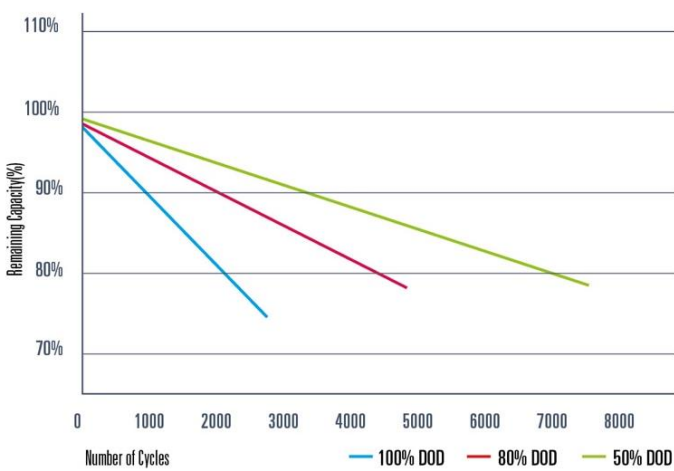
Different Temperature Discharge Curve @ 0.5C, 25°C



Charge Characteristics @ 0.2C & 0.5C, 25°C



Different DOD Discharge Cycle Life Curve @ 0.5C, 25°C



Open circuit voltage VS SOC%

