

Helpline ☎ 9020 121 121 / 7594 970 060



Three Wheeler
Electric Vehicles

LiFePO₄

Lithium Ion
Battery Pack



Powered by Lithium Ion Cells

Hykon 3 Series for E-Auto & E-Rickshaw

Hykon 3 series batteries are well designed as per Indian environment and road conditions. Cost effectiveness standardization portability makes these batteries compactable.

Salient Features

- Eco friendly
- Quick charge
- Plug and Play Battery
- Built in BMS for protection
- Cost effective
- Customizable enclosure
- 100% Round trip efficiency
- Digital Display available

Technical Specification

Model		HY-LFP-48065	HY-LFP-48080	HY-LFP-48100	HY-LFP-48150
Nominal Capacity @ 0.5C Discharge (25°C)		65Ah	80Ah	100Ah	150Ah
Li-ion Chemistry		Lithium Ferro Phosphate (LFP)			
Nominal voltage(3.2V/Cell)		48V			
Standard Charge Voltage(3.6V/Cell)		54V			
Max. Charge Voltage(3.65V/Cell)		54.7V			
Standard charge Current(0.2C)		13A	16A	20A	30A
Rapid. charge Current(1C)*		65A	80A	100A	140A
Charge method		CVCC			
Cut off Voltage(2.5V/Cell)		37.5V			
Standard discharge Current(0.5C)*		32.5A	40A	50A	75A
Continuous discharge current (1C)*		65A	80A	100A	140A
Max Continuous discharge current		80A		140A	
Cooling Method		Natural Cooling			
Termination		Anderson Connectors			
Cycle Life @ 80 % DOD		>2000 Cycles			
Features (Optional)		Fuel Gauges for the measuring the SOC of battery, Battery Voltmeter, CAN/RS485 Communication			
Protections (BMS)		Over Charge, Under Voltage, Over Temperature, Over Current, Short circuit.			
Operating temperature	Charge:	0 ~45°C			
	Discharge:	-20 ~65°C			
Storage temperature		-20 ~45°C			
Weight (Approx)		30kg	37kg	47kg	72 kg
Dimension(LWH)mm (customizable)		550x240x210	550x290x270		550x390x390
Casing		Metal Cabinet			

* Charge & Discharge current will vary depends on BMS capacity and specification.

* BMS will vary depends on Application.

* LFP Battery pack can be made as per the customised dimension and specification

Helpline

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MADE IN INDIA