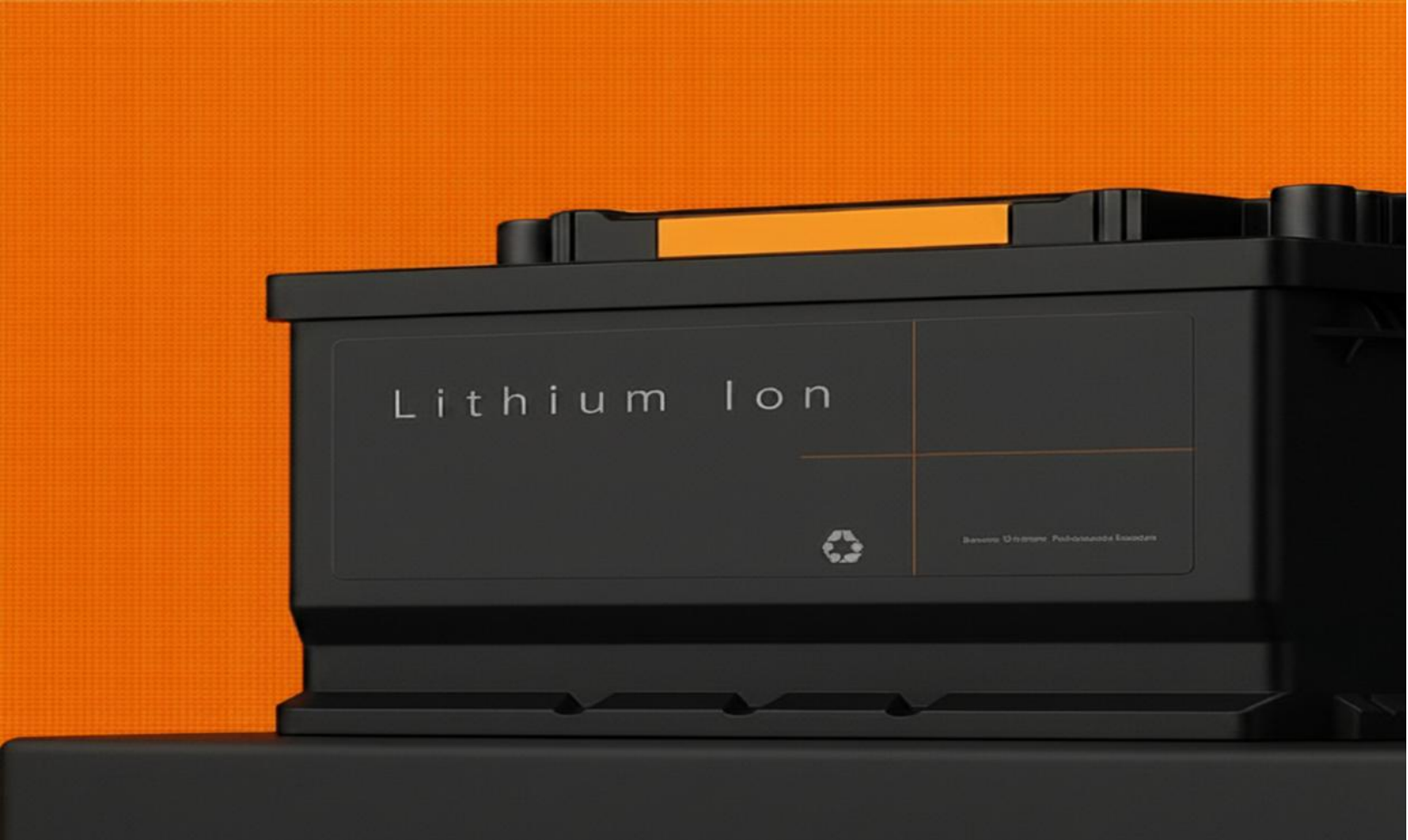




High Performance & Long Life

Delivers over 2000 cycles at 100% Depth of Discharge (DoD), consistent power with low degradation rate

Environment & Safety Focused

IP67 rated- Complete Protection against dust and solids

Robust & Compact Design

Enclosure: ABS Plastic
Connectors: Tin coated copper

Battery Management System (BMS)

4S5A Hardware BMS



Technical Data

Model	HIGHLYF-LFP-1206
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Main Parameter

Battery Chemistry		LFP
Capacity (Ah)		06
Nominal Voltage (V)		12.8
Operating Voltage (V)		10-14.4
Nominal Energy (Wh)		76.8
Usable Energy (Wh)		76.8
Charge/Discharge Current (A)	Recommended	+2.5/-2.5
	Max.	+5/-5
	Peak(25°C)	+5/-5

Other Parameter

Recommend Depth of Discharge	100%
Dimension (L*W*H, mm)	151X65X94
Weight Approximate(kg)	0.7
IP Rating of Enclosure	IP67
Operating Temperature	0-60
Recommend Operating Temperature (°C)	Charge: 0-55, Discharge: -10-60
Storage Temperature	At 50% SOC, 25-45°C
Humidity	90% RH
Altitude	<2000 m
Cycle Life	2000 Cycles
Application	Street lights
Warranty Period	2 years
Energy delivered over lifetime (kWh)	122.88

DC Usable Energy, test conditions: 100% DOD, 0.5C charge & 1C discharge at 25°C. System usable energy may vary due to system configuration parameters.

Description of the battery

The HIGHLYF battery series is the product engineered for Street light applications. The system integrates a Hardware Battery Management System (BMS) that protects from over charge, over discharge, over temperature and short circuit.