

Model HW0465010F

12 volts 10 Ah 120 Wh

Lithium Iron Phosphate Battery

Our 120 watt-hour, 12-volt lithium iron phosphate (LiFePO4) battery is the perfect replacement for traditional lead-acid in small deep cycle (up to 10-amp load) applications that demand long life, low weight and high performance. These match popular lead-acid sizes and include ¼" male spade terminals, meaning they're a direct drop in for most applications such as uninterrupted power supplies.



This battery assembly uses lithium iron phosphate cells to achieve the best combination of energy density, weight, safety and performance.

Designed to be discharged to 100% of the rated capacity, this battery is maintenance-free for life. It is a quarter the weight of lead-acid, lasts more than twice as long, and has a flat voltage curve. For maximum cycle life, we recommend keeping charge and discharge below 10 amps, charging to 14.0 volts, discharging to 10.5 volts and operating above freezing temperatures.

All of our battery assemblies include an advanced battery management system (BMS) that protects against temperature, voltage and amperage extremes to maximize battery safety and life cycle*. They also come with a limited two-year warranty and can also be returned to us at any time for end-of-life recycling.

All Higherwire batteries are designed and manufactured in Arizona.

Specifications			
Nominal Voltage	12.8 volts	Chemistry	Lithium iron phosphate
Capacity (Ah)	10 Ah	Weight	2.7 lb
Capacity (Wh)	120 Wh		(1.2 kg)
Operating Voltage (100% DOD)	10.0 – 14.4 volts	Dimensions (LxWxH) (includes terminals)	5.88 x 2.50 x 3.88 in (149 x 63 x 98 mm)
Max Continuous Charge	10 amps	Operating Temp (Discharge)	-20° – +60°C (-4 – +140°F)
Max Continuous Discharge	10 amps	Operating Temp (Charge)	0° – 60°C (32° – 140°F)
Max Pulse Discharge	25 amps (10 seconds)		

*Battery must be disconnected from charge and/or load to reset the BMS following a fault.

