

Model HW0826050F

24 volts 50 Ah 1,200 Wh
Lithium Iron Phosphate Battery

Our 50 amp-hour, 24-volt lithium iron phosphate (LiFePO₄) battery is the perfect replacement for traditional lead-acid in deep cycle applications that demand long life, low weight and high performance. These match an existing lead-acid size and include M8 screw-in terminals so they're a direct drop in.

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 25 amps, setting charge to 28.0 volts with no equalization, discharging to 24.0 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*. Our batteries include a two-year limited warranty and can be returned to us at any time for end-of-life recycling.

All Higher Wire batteries are designed and manufactured in Arizona.



Specifications

Nominal Voltage	25.6 volts	Chemistry	Lithium iron phosphate
Capacity (Ah)	50 Ah	Weight	27.5 lb (12.5 kg)
Capacity (Wh)	1,200 Wh	Dimensions	12.9 x 6.75 x 8.25 in (327 x 172 x 210 mm)
Operating Voltage (100% DOD)	20.0 – 28.8 volts	Operating Temp (Discharge)	-20° – +60°C (-4 – +140°F)
Max Continuous Charge	25 amps	Operating Temp (Charge)	0° – 60°C (32° – 140°F)
Max Continuous Discharge	25 amps		
Max Pulse Discharge	75 amps (10 seconds)		

*Battery must be disconnected to reset the BMS following a fault.

