

# Model HW0465100F

12 volts 100 Ah 1,200 Wh

## Renewed Lithium Iron Phosphate Battery

Our 1,200 watt-hour, 12-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 are similar to Group Size 31 and are a good fit for RV and portable applications.

This battery assembly uses lithium iron phosphate cells renewed using our patent-pending process 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 50 amps, charging to 13.6 volts, discharging to 12.0 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 limited two-year warranty and can be returned to us at any time for end-of-life recycling.

All Higherwire batteries are designed and manufactured in Arizona.



### Specifications

<b>Nominal Voltage</b>	12.8 volts	<b>Chemistry</b>	Lithium iron phosphate
<b>Capacity (Ah)</b>	100 Ah	<b>Weight</b>	27.5 lb
<b>Capacity (Wh)</b>	1,200 Wh		(12.5 kg)
<b>Operating Voltage (100% DOD)</b>	10.0 – 14.4 volts	<b>Dimensions (LxWxH)</b>	12.90 x 6.75 x 8.25 in
<b>Max Continuous Charge</b>	50 amps		(327 x 172 x 210 mm)
<b>Max Continuous Discharge</b>	50 amps	<b>Operating Temp (Discharge)</b>	-20° – +60°C
<b>Max Pulse Discharge</b>	150 amps (10 seconds)	<b>Operating Temp (Charge)</b>	0° – 60°C
			(32° – 140°F)

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

