

# SIMPLIPHI YOUR POWER WITH THE PHI 1.2™ HIGH OUTPUT BATTERY



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The PHI 1.2™ kWh 160 Amp deep-cycle Lithium Ferro Phosphate (LFP) battery is optimized with proprietary cell architecture, power electronics, BMS and assembly methods. It is modular, lightweight and scalable. Provides power security and seamless integration of renewable and traditional sources of energy in conjunction with or independent of the grid: net zero, peak shaving, emergency back-up, portable and mobile.

- 24V LFP storage module with proprietary architecture and Battery Management System (BMS)—does not require ventilation, cooling or thermal regulation
- Compatible with all industry standard inverter/charge controllers
- Drop in replacement for lead acid
- LFP is the safest, most environmentally benign Lithium Ion chemistry available—no cobalt, risk of thermal runaway or fire
- No AC or toxic liquid cooling—negligible parasitic drain—long cycle life
- Non-toxic and non-hazardous recyclable materials

PHI 1.2™	24V
DC Voltages - Nominal	25.6 V
Amp Hours	48 Ah
Rated kWh Capacity (@ C/2)	1.2 kWh
Max Output Capacity	160 Amps
Max Charge Current	50 Amps
DC Voltage Range <sup>1</sup>	20 to 28.8 V
Depth of Discharge <sup>1</sup>	up to 100%
Operating Efficiency	98%
Operating Temp <sup>1</sup>	-4° to 140°F (-20° to 60°C)
Charge Temp <sup>1</sup>	32° to 120°F (0° to 49°C)
Self-Discharge Rate	<1% loss per month
Cycle Life	5,000+ (@ 80% DoD)
Memory Effect	None
Warranty Period	5 years
Dimensions	11.25 x 9.25 x 6.25 inches/0.37 cu ft (23.50 x 28.58 x 15.88 cm/0.01 m <sup>3</sup> )
Weight	32.65 lbs (14.8 kg)



- 1. Max operating conditions. Refer to warranty for recommended conditions.
- All specifications listed are typical/nominal and subject to change without notice.
- UN 3480, Lithium ion batteries, 9, II
- UL, CE, UN/DOT and RoHS compliant components
- Designed and built in California, USA

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420 Bryant Circle | Ojai, CA 93023, USA | +1 (805) 640-6700 | [SimpliPhiPower.com](http://SimpliPhiPower.com)

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