

AMPLIPHI-3.8-48 : 3.8KWH 48V Lithium Battery by Simpliphi



Price: CAD \$5,499.00

SKU: AMPLIPHI-3.8-48

Product Categories: [Multi-Use : 48V](#), [Batteries](#), [Lithium](#), [Shop](#)

Product Tags: [3.8kwh](#), [3800wh](#), [48v battery](#), [48v lifepo4](#), [48v lithium](#), [cabin](#), [canada](#), [cottage](#), [lead-acid replacement](#), [lfp battery](#), [lithium](#), [lithium battery](#), [lithium iron phosphate](#), [off-grid lithium](#), [phi](#), [phi 3.5kwh](#), [phi 3.8](#), [phi 3.8 canada](#), [PHI-3.8-48-60](#), [residential](#), [simpliphi](#), [simpliphi 3.8](#), [simpliphi battery canada](#), [simpliphi canada](#), [simpliphi phi](#), [tiny home](#)

Product Page:

<https://www.modernoutpost.com/product/ampliphi-3-8-48-3-8kwh-48v-lithium-battery-by-simpliphi/>

Product Summary

The AMPLIPHI-3.8-48 is a 48V lithium iron phosphate (LFP) replacement for lead-acid batteries that works with all major battery-based inverter brands and includes closed-loop communications for accurate SOC and battery management through your inverter. The AMPLIPHI 3.8kWh Amp deep-cycle Lithium Ferro Phosphate (LFP) battery is optimized with proprietary cell architecture, power electronics, BMS and assembly methods. It is modular, light-weight and scalable for installations that range from kWh to MWh.

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SimpliPhi Power's AMPLIPHI 3.8 Battery utilizes the safest Lithium Ion chemistry available, Lithium Ferro Phosphate (LFP, LiFePO_4 , Lithium Iron Phosphate). No cobalt or explosive hazards. By eliminating cobalt, the risk of thermal runaway, fire propagation, operating temperature constraints, and toxic coolants are reduced. The AmpliPhi features a Battery Management System (BMS) with closed loop communications pre-configured for industry leading inverters that reports SOC and other critical real-time data, optimizing the value of storage and functionality within balance-of-system equipment. Combined with our proven overcurrent protection (OCPD) and accessible 100 Amp DC breaker On/Off switch, installation time is reduced and safety is increased during set-up for residential and commercial systems, on and off-grid. Designed to scale up to 75 batteries, the AmpliPhi integrates seamlessly with Sol-Ark and SMA, with other inverter brands being added soon.

Compatible with all industry-standard inverter charge controllers, the AMPLIPHI 3.8

Battery supports balance-of-system equipment and optimizes any power generation source – solar, wind, grid, generator – with scalable, on-demand energy storage solutions for critical back-up and daily savings on electricity bills.

Simpliphi AMPLIPHI-3.8-48 Features

- Built-in accessible 80 Amp DC breaker On/Off switch – increases safety and simplifies installations

48V LFP batteries with proprietary architecture and Battery Management System (BMS)—do 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 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

Simpliphi PHI-3.8-48-M Specifications In Brief

DC Voltages – Nominal : 51.2 (48V)

Amp Hours : 75 (48V)

Rated Wh Capacity @ C/2 : 3.8 kWh

Max Discharge Current : 100 Amps (10 mins)

Max Contin. Disch. Current : 37.5 Amps (48V)

Max Contin. Charge Current : 37.5 Amps (48V)

DC Voltage Range1 : 48 to 56 (48V)

Depth of Discharge1 : up to 100%

Operating Efficiency : 98%

Operating Temp1 : -4° to 140°F (-20° to 60°C)

Charge Temp : 32° to 120°F (0° to 49°C)

Self-Discharge Rate : <1% loss per month

Cycle Life : 10,000+

Memory Effect : None

Warranty Period : 10 Years

Weight : 77.5 lbs (35.15 kg)

Dimensions : 13.5 x 14 x 8 in. (15.5” H w/terminals) / 0.88 ft³ (34.3 x 35.6 x 20.3

cm / 0.025 m3)

Downloads

[AMPLIPHI-3.8-48 Spec Sheet](#)]

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: 35 kg
- DC Voltage: 24V, 48V

Product Gallery



