

Phi 3.5 Lithium Battery by Simpliphi Power



CAD \$4,499.00 - CAD \$4,599.00][15, 117, 84][14]

SKU: PHI35-X

Product Categories: [Batteries](#), [Lithium : Residential/Commercial](#), [Supply](#)

Product Tags: [3.5kwh](#), [48v battery](#), [canada](#), [lead-acid replacement](#), [lfp battery](#), [lithium](#), [lithium battery](#), [lithium iron phosphate](#), [off-grid lithium](#), [phi](#), [phi 3.5](#), [phi 3.5 canada](#), [phi 3.5kwh](#), [simpliphi](#), [simpliphi battery canada](#), [simpliphi canada](#), [simpliphi phi](#)

Product Page:

<https://www.modernoutpost.com/product/phi-3-5-lithium-battery-by-simpliphi-power/>

Product Variants

- Phi 3.5 Lithium Battery by Simpliphi Power - 24V ()
- Phi 3.5 Lithium Battery by Simpliphi Power - 48V ()

Product Summary

The Phi 3.5 is a 24V or 48V lithium-based drop-in replacement for lead-acid batteries that works with all major battery-based inverter brands. The PHI 3.5kWh 60 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 PHI 3.5KWH Features

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

24V and 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 3.5 Specifications

DC Voltages – Nominal : 25.6 (24V) / 51.2 (48V)

Amp Hours : 138 (24V) / 69 (48V)

Rated Wh Capacity @ C/2 : 3.5 kWh

Max Discharge Current : 60 Amps (10 mins)

Max Contin. Disch. Current : 45 Amps (24V) / 34 Amps (48V)

Max Contin. Charge Current : 45 Amps (24V) / 34 Amps (48V)

DC Voltage Range1 : 20 to 28.8 (24V) / 40 to 57.6 (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)

Product Attributes

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

Product Gallery

