

Phi 2.7 Lithium Battery by Simpliphi Power



Price: CAD \$3,690.00

SKU: PHI27-X-1

Product Categories: [Discontinued](#), [More](#)

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Product Page:

<https://www.modernoutpost.com/product/phi-2-7-lithium-battery-by-simpliphi-power/>

Product Variants

- Phi 2.7 Lithium Battery by Simpliphi Power - 24V ()
- Phi 2.7 Lithium Battery by Simpliphi Power - 48V ()

Product Summary

The Phi 2.7 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 2.7kWh 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.

Product Description

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Simpliphi PHI 2.7KWH 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 2.7 Specifications

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

Amp Hours : 105 (24V) / 52 (48V)

Rated Wh Capacity @ C/2 : 2.7 kWh

Max Discharge Current : 60 Amps (10 mins)

Max Contin. Disch. Current : 45 Amps (24V) / 26 Amps (48V)

Max Contin. Charge Current : 45 Amps (24V) / 26 Amps (48V)

DC Voltage Range(1) : 20 to 28.8 (24V) / 40 to 57.6 (48V)

Depth of Discharge(1) : up to 100%

Operating Efficiency : 98%

Operating Temp(1) : -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 : 60.5 lbs (27.4 kg)

Dimensions : 11.25 x 11 x 9.5 in. (12.75" H w/terminals) / 0.88 ft³ (28.6 x x 27.9 x 24.1 cm / 0.025 m³)

1. Max operating conditions. Refer to warranty for recommended conditions.

All specifications listed are typical/nominal and subject to change without notice

- UN3480, Lithium Ion batteries, 9, II
- UL, CE, UN/DOT and RoHS compliant components - UL Certified
- Designed and built in California, USA

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: 29 kg
- DC Voltage: 24V, 48V

Product Gallery

