

# SIMPLIPHI YOUR POWER WITH BATTERY THE PHI 1310™ HIGH OUTPUT SMART-TECH



**simpliPhi**  
POWER  
Power. On Your Terms.™

The PHI 1310™ Wh 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 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
- Approved CA SGIP Advanced Energy Storage (AES) rebate program supplier

| PHI 1310™             | 24V  |
|-----------------------|--|
| DC Voltages - Nominal | 25.6 V   |
| Amp Hours             | 48 Ah  |
| Wh Capacity           | 1,228.8 Watt hour  |
| Max Output Capacity   | 160 Amps   |
| Max Charge Current    | 50 Amps  |
| DC Voltage Range      | 20 to 28.8 V   |
| Depth of Discharge    | up to 100%   |
| Operating Efficiency  | 98%  |
| Operating Temp        | -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            | 5,000+   |
| Memory Effect         | None   |
| Warranty Period       | 10 years   |
| Dimensions            | 11.25 x 9.25 x 6.25 inches/0.37 cu ft<br>(23.495 x 28.575 x 15.875 cm/0.010m³) |
| Weight                | 32.65 lbs (14.8 kg)  |



- Meets transport safety weight requirements: Less than 35 kg including packaging
- UN 3481, Lithium Ion battery contained in equipment, 9, II
- UL and CE listed, UN/DOT and RoHS compliant components
- Designed and built in California, USA

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