SIMPLIPHI YOUR POWER WITH THE PHI 3.5™ BATTERY



The PHI 3.5™ kWh 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. 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.

- 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 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 3.5™	24V	48V
DC Voltages – Nominal	25.6	51.2
Amp Hours	138	69
Rated kWh Capacity @ C/2	3.5 kWh	
Max Discharge Current	60 Amps (10 mins)	
Max Contin. Disch. Current	45 Amps	34 Amps
Max Contin. Charge Current	45 Amps	34 Amps
DC Voltage Range[1]	20 to 28.8	40 to 57.6
Depth of Discharge[1]	up to 100%	
Operating Efficiency	98%	
Operating Temp[1]	-4° to 140°F (-20° to 60°C)	
Charge Temp[1]	32° to 120°F (0° to 49°C)	
Self-Discharge Rate	<1% loss per month	
Cycle Life	10,000+ (@80% DOD)	
Memory Effect	None	
Warranty Period	10 Years	
Weight	77.5 lbs (35.15 kg)	
Dimensions (W x H x D)	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)	



- 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 - UL Certified
- Designed and built in California, USA

RECOGNIZED COMPONENT ETL US 5004087 INVERTER

CONFORMS TO UL STD 1973

Power. On Your Terms.™

simpliphi POWER

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

© 2018 SIMPLIPHI POWER, INC. REV061818