

22.8
kWh

ACCESS™
with AmpliPHI™



BRIGGS & STRATTON
ENERGY SOLUTIONS



Certified to UL 9540
and UL 9540A
Fire Safety Tested



AccESS™ with AmpliPHI™ 3.8kWh batteries and industry leading SimpliPHI 6kW Inverter is a fully integrated and pre-programmed energy storage and management solution. With closed-loop communications between inverter and batteries the system can self-monitor, provide backup to essential loads and lower utility bills, creating peace of mind for homeowners and businesses. The AccESS maximizes PV generation by storing excess power for critical backup, evening hours and daily self-consumption to offset Time-Of-Use rates. Net-Metered customers can add energy storage to existing grid-tied solar systems for standby power or energy arbitrage. Off-grid customers can take advantage of integrated MPPT charge controls to create stand-alone systems for whole-home power and generator optimization with auto-start capabilities.

FEATURES



Stringent Safety-Tested System

Certified to UL 9540 and safety tested to UL 9540A.



Lithium Ferro Phosphate (LFP) Chemistry

Safer, efficient and reliable access to power – 24/7



Fully Integrated Energy Storage Solution

Utilizing PHI or AmpliPHI batteries.



Scalable For Any Energy Need

Easily scales to increase energy capacity with the BOSS.6 or BOSS.12 cabinets.

22.8

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Specifications	
Model Number	SPHI-IN-6
Dimensions	29.5" W x 76"H (w/feet) x 20" D / 75 cm W x 193 cm H x 51 cm D
Weight	600 lbs. (270 kg.) w/o batteries
Enclosure Rating	NEMA 3R Outdoor Rated
Operating Temperature ¹	-13 – 140 °F (-25 – 60 °C)
Mounting	Free-standing or Pad-mounted
Enclosure Warranty Period	2 years
Certifications	Certified to UL 9540, UL 9540A Fire Safety Tested, UL 1741 SA, IEEE 1547.1-2020, IEC/EN 62109-1&2, EN 61000-6-2&3, EN 61000-3-11&12

Inverter Specifications	
SimpliPHI	SPHI-IN-6
Application	On or Off-Grid
Connections	Communication Port - RS-232 Intelligent Slot - RS232 / USB, BMS, Wi-Fi
Output Frequency	60 Hz or 50 Hz
Output Voltage Range	105.5-132VAC per phase
Off-Grid Output Power System	6 kW Continuous
Solar PV Continuous Power	6 kW
Inverter AC Continuous Power	6 kW
Max Output Charging Current	100 A
Maximum Solar to Utility Efficiency	96.50%
Maximum Battery to Load Efficiency	91.00%
Warranty Period	10 yr standard
Parallel Stacking	Yes - 9 units

Solar PV - DC Coupled	
SimpliPHI MPPT	Dual
Max Connected PV Power	7500 W
Min PV Array Starting Voltage	160VDC/125VDC
Max Open Circuit PV Array Voltage	360VDC

Other Features	
Communications Interface	User Interface LCD / Phone Application (iOS & Android)
Communication with Cloud API with Grid Services	via EnergyTrak™ Gateway
Automatic Generator Start	Yes

Battery	
Battery Brand	AmpliPHI 3.8 kWh-48V
Rated kWh Capacity @ C/2	22.8 kWh, up to 164.2 kWh with additional BOSS cabinets
Usable kWh Capacity @ 80% DoD	18.2 kWh, up to 131.4 kWh with additional BOSS cabinets
Max Combined Output Power	6 kW
Max Charge Current	100 A
Charging Temperature	32°F to 120°F (0°C to 49°C)
Depth of Discharge	Up to 100% DoD
Round Trip Efficiency	98%
Cycle Life	10,000+ cycles (@ 80% DoD)
Warranty Period	10 years

¹ Max operating ranges. Refer to Installation Manual for recommended conditions.

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

Engineered and Manufactured in California, USA

Briggs & Stratton has a policy of continuous product improvement and reserves the right to modify its specifications at any time and without prior notice. Please visit energy.briggsandstratton.com for the latest information.

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