

22.8
kWh

ACCESS™
with PHI™



ENERGY STORAGE SIMPLIFIED

AccESS™ with PHI™ Batteries and Sol-Ark® Inverter

Comprehensive energy solution.

AccESS™ with PHI™ 3.8kWh batteries and Sol-Ark® 12K 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.



Learn More



22.8 ACCESS[™] with PHI[™] kWh



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 batteries.



Scalable For Any Energy Need

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

Specifications	
Model Number	A-6PHI
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

Solar PV - DC Coupled	
Sol-Ark MPPT	Dual
Max Connected PV Power	13 kW
Min PV Array Starting Voltage	125 VDC
Max Open Circuit PV Array Voltage	500 VOC per PV String

Other Features	
Internet Connected Computer or Phone App	MySol-Ark app
Automatic Generator Start	Two-wire automatic generator start

Inverter Specifications	
Sol-Ark	Sol-Ark-12K
Application	On or Off-Grid
AC Connections	1 Bi-Directional Grid Port (63A double-pole), 1 UPS Load Output (63A double-pole), 1 Generator Port (50A double-pole); can be used for Smart Loads output
Output Frequency	60 Hz or 50 Hz (50 Hz available upon request)
Output Voltage Range	L-N: 120VAC; L-L: 240VAC L-L: 208VAC (2/3 phases) 230VAC
Off-Grid Output Power System	9 kW Continuous
Solar PV Continuous Power	12 kW
Inverter AC Continuous Power	9 kW
Max Output Charging Current	185 ADC
CEC Efficiency	96.5%
Grid to Battery Charging Efficiency	96%
Warranty Period	10 yr standard
Parallel Stacking	Yes

Battery	
Battery Brand	PHI 3.8 kWh-48V
Rated kWh Capacity @ C/2	22.8 kWh, up to 136.8 kWh with additional BOSS cabinets
Usable kWh Capacity @ 80% DoD	18.2 kWh, up to 109.4 kWh with additional BOSS cabinets
Max Combined Output Power	9 kW DC or up to 69.1 kW DC
Max Charge Current	185 ADC
Charging Temperature	32°F to 120°F (0°C to 49°C)
Depth of Discharge	Up to 100% DoD
Round Trip Efficiency	>90%
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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