

6

kW

SIMPLI PHI™

Hybrid Inverter



BRIGGS & STRATTON
ENERGY SOLUTIONS



The advanced design of the **Simpli PHI® 6 kW Hybrid Inverter** offers versatile applications that seamlessly integrate solar, generator and/or grid power in both AC and DC coupled configurations — on-grid or off. This smart hybrid inverter with integrated dual MPPT can also be easily paired to work with the Simpli PHI 4.9 battery to provide an efficient, easy-to-use energy storage system for any home or business that can allow for Time-of-Use applications, peak demand shaving, backup power and peace of mind. In addition, the Simpli PHI Hybrid Inverter can be paired with other batteries on an approved battery list.

FEATURES



Scalable for any application

Scale up to 5 inverters for a total of 30 kW of power.



Off-grid and grid-connected systems

Simple installation with our pre-configured packages.



Versatile installation options

IP65 rating supports all weather conditions for both indoor or outdoor installations.



Warranty coverage

10-year limited warranty.¹



Seamless transition

Less than 8 milliseconds of switchover time protects sensitive electronics and minimizes downtime.



Simple digital interface

Easy programming and monitoring of primary system functions on the LCD inverter interface.



EnergyTrak™ enabled

Remote monitoring, programming and quick 5-step system commissioning.

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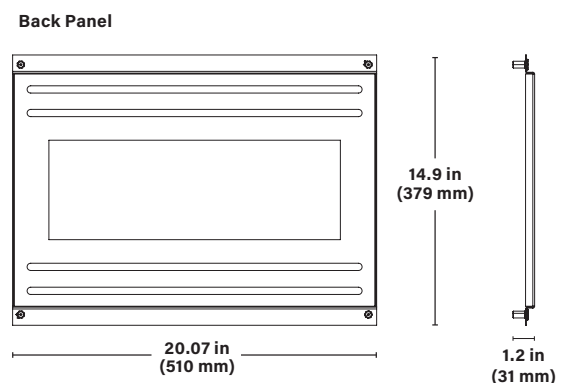
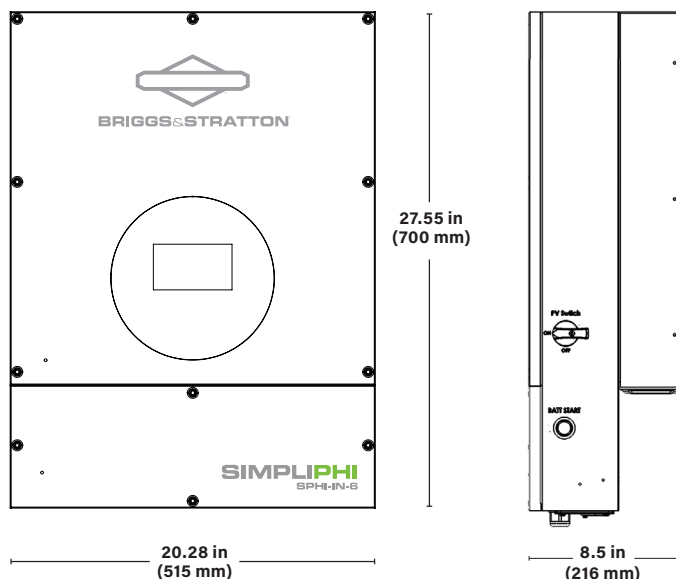
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Inverter Specifications	
Model Number	SPHI-IN-6
Battery Input Voltage	48VDC
Safety Features	Rapid shutdown, Arc fault protection, PV reverse polarity protection, Ground fault monitoring, Residual current monitoring, Insulation resistor detection, Overcurrent protection, Short circuit protection
Rapid Shutdown Capable	Integrated Transmitter
Maximum Paired Solar (DC Input)	7.5 kW per MPPT input
Integrated MPPT Charge Controllers	2 inputs with 2 strings each
Loads Supported	120/240VAC
Maximum Continuous Power	6,000 VA
Maximum Output Power	6 kW
Instantaneous Power (100ms)	12,000 VA
Surge Power (5s)	9,000 VA

Product Dimensions	
Dimensions (W x H x D)	20.28 x 27.55 x 8.50 in (515 x 700 x 216 mm)
Weight	86 lb (39 kg)
Back Panel Dimensions (W x H x D)	20.07 x 14.9 x 1.2 in (510mm x 379mm x 31mm)

Inverter Specifications	
CEC Weighted Efficiency	96.5%
Parallel Stacking	5 Inverters
Warranty Period	10-Year Limited Warranty ²
Battery Compatibility	PHI, AmpliPHI, SimpliPHI
Automatic Generator Start	Included
Monitoring	Briggs & Stratton EnergyTrak
Certifications	UL 1741 SA, IEEE 1547-2020, IEC/EN 62109-1&2, EN 61000-6-2&3, EN 61000-3-11&12, Rule 21, PREPA, HECO

Applications	
Residential Grid-Tied TOU / Peak Shaving	
Residential Grid-Tied Backup	
Residential Grid-Tied Net Zero (solar and battery is primary)	
Batteryless Operation- Residential Grid-Tied PV	
Residential Off-Grid	
Small Business / Commercial	Single and Split Phase: 120/240



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

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

² See operator's manual or energy.briggsandstratton.com for complete warranty details.

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 BRIGGSandSTRATTON.com for the latest information.

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