

6

kW

SIMPLI PHI™ Hybrid Inverter



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 MPPT can also be easily paired to work with the Simpli PHI 4.9 kWh 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.

FEATURES



Scalable for any application

Scale up to 9 inverters for a total of 54 kW of power.



Off-grid and grid-connected systems

Simple installation for both AC coupled retrofit and new DC coupled systems.



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 and quick 5-step system commissioning.

¹ Visit BRIGGSandSTRATTON.com for user manuals and full warranty details.

6

kW

SIMPLI PHI™
Hybrid Inverter



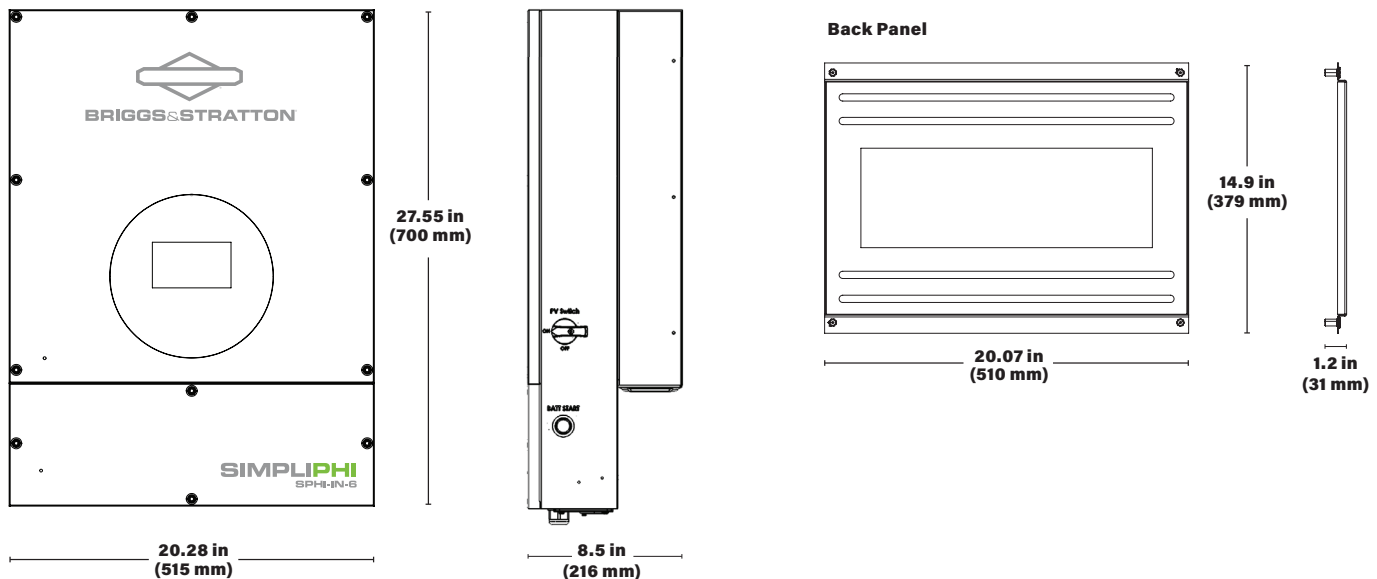
BRIGGS & STRATTON

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
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

Inverter Specifications	
CEC Weighted Efficiency	96.5%
Parallel Stacking	9 Inverters
Warranty Period	10-Year Limited Warranty ¹
Battery Compatibility	Lithium-ready
Automatic Generator Start	Included
Monitoring	Briggs & Stratton EnergyTrak
Certifications	UL 1741 SA, IEEE 15471-2020, IEC/EN 62109-1&2, EN 61000-6-2&3, EN 61000-3-11&12

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)

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



¹ Visit www.BRIGGSandSTRATTON.com for user manuals and full warranty details. All specifications listed are typical/nominal and subject to change without notice.

Engineered 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.

BS1384 - 7/22

BRIGGS & STRATTON
POST OFFICE BOX 702
MILWAUKEE, WI 53201 USA

Copyright © 2022 Briggs & Stratton. All rights reserved.