

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 coupled 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

Scalable 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 seamless transition protects sensitive electronics and minimizes downtime.



Simple digital interface

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



EnergyTrak™ enabled

Peace of mind that your system is working optimally with remote monitoring all from an app.

¹See operator's manual or BRIGGSandSTRATTON.com for complete warranty details.

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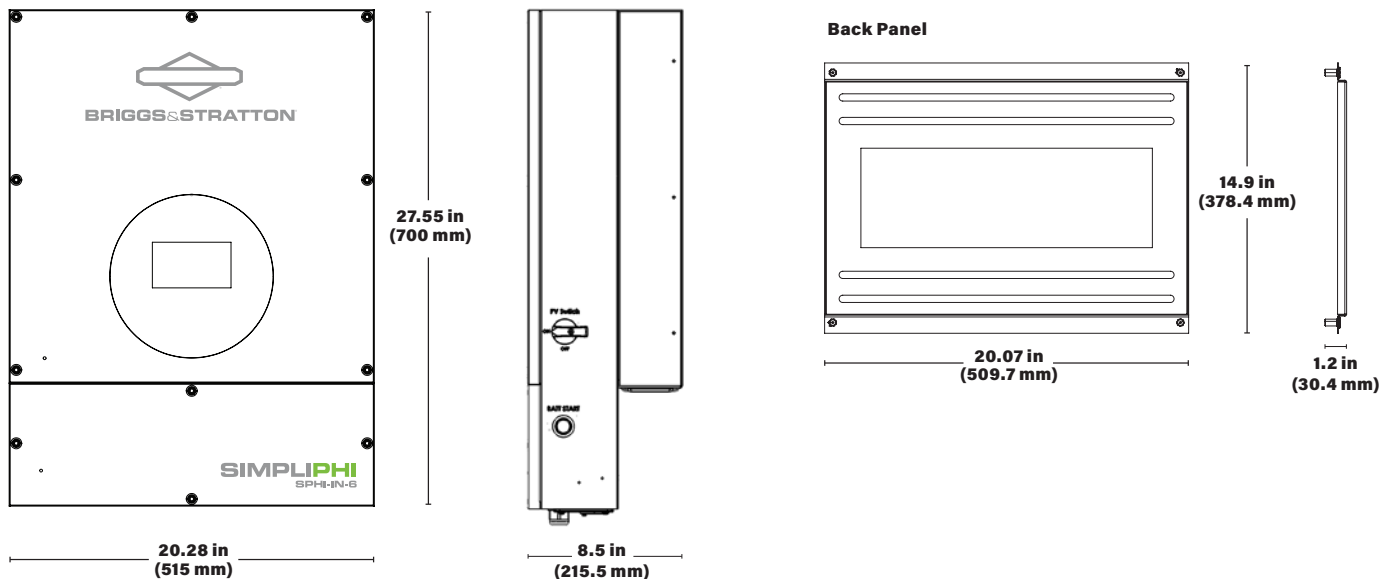
BRIGGS & STRATTON

| 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/SB, 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 215.5 mm) |
| Weight | 86 lb (39 kg) |
| Back Panel Dimensions (W x H x D) | 20.07 x 14.9 x 1.2 in (509.7 x 378.4 x 30.4 mm) |

| 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 |



¹See operator's manual or BRIGGSandSTRATTON.com for complete 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.

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