

**6.65**  
kWh



**BRIGGS&STRATTON**  
ENERGY SOLUTIONS



## SIMPLI PHI 6.6 BATTERY

WIRE-FREE, STACKABLE DESIGN

### BATTERY MODULE SPECIFICATIONS

| VOLTAGE   |   |
|---|---|
| DC Voltage - Nominal                            | 51.2 VDC  |
| DC Voltage Range                                | 44.8 - 56.8 VDC   |
| Current   |   |
| Continuous Discharge Current - Maximum          | 130 ADC   |
| Continuous Charge Current - Maximum             | 100 ADC   |
| Maximum Surge Currents and Durations (ADC, sec) | 240 ADC, 2 sec / 300 ADC 1 sec  |
| Capacity  |   |
| Rated Capacity (Amp-Hours) - Nominal            | 130   |
| Rated Capacity (Wh) - Nominal                   | 6656  |
| Operational Electrical Specifications           |   |
| Self-Discharge Rate (Shutdown/Off)              | <.03 %/month  |
| Cycle Life @ 0.75 Charge/Discharge Rate         | 4500 Cycles at 100% Depth-of-Discharge<br>6000 Cycles at 80% Depth-of-Discharge |
| End of Life Capacity                            | 75%   |
| Minimum Round-Trip Efficiency Rating (C/2)      | ≥96%  |
| Operational Environment                         |   |
| Charge Temperature                              | -10°C ~ 50°C  |
| Discharge Temperature                           | -20°C ~ 55°C (Self Curtailment Available With Comm)                             |
| Operating Humidity                              | 0% - 95% RH   |
| Storage Environment                             |   |
| Storage Temperature                             | -20°C ~ 55°C for 1 month / -20°C ~ 45°C for 6 months                            |
| Storage Humidity                                | 0% - 95% RH   |

# 6.65

kWh

**SIMPLIPHIT**  
6.6 Battery



### Battery Module Physical Dimensions and Ratings

|                                   |                            |
|-----------------------------------|----------------------------|
| Enclosure Material                | Powder-Coated Steel        |
| Width - Inches (mm)               | 28.6" (726.4)              |
| Depth - Inches (mm)               | 6.7" (170.2)               |
| Height without Tabs - Inches (mm) | 17.3" (439.4)              |
| Height with Tabs - Inches (mm)    | 18.9" (480.1)              |
| Weight (kg)                       | 125 lbs (56.7)             |
| IP Rating                         | IP 20 (IP 65 when Stacked) |
| Altitude                          | ≤3000M                     |
| Corrosion Resistance Rating       | 240H                       |
| Salt-Fog Rating                   | 240H                       |

## BATTERY CONTROLLER SPECIFICATIONS

|   |                       |
|---|-----------------------|
| Stack Information per Stack (Up to 3 Batteries) | 1 Required            |
| Maximum Controllers per system                  | 6 - Up to 3 Batteries |

### Operational Environment

|                       |              |
|-----------------------|--------------|
| Operating Temperature | -20°C ~ 55°C |
| Operating Humidity    | 0% - 95% RH  |

### Storage Environment

|                     |              |
|---------------------|--------------|
| Storage Temperature | -20°C ~ 55°C |
| Storage Humidity    | 0% - 95% RH  |

### Inverter Compatibility

|                   |                                     |
|-------------------|-------------------------------------|
| Full Integration  | Sol-Ark 8K-2P, 12K-2P, 15K-2P       |
| Non-Communicating | Any 48V Lithium-Supporting Inverter |

### Communications

|                    |                 |
|--------------------|-----------------|
| Inverter           | CAN Bus, RS-485 |
| EnergyTrak Gateway | CAN Bus         |

### Physical Dimensions and Ratings

|                             |                     |
|-----------------------------|---------------------|
| Width (mm)                  | 28.6" (726.4)       |
| Depth (mm)                  | 6.7" (170.0)        |
| Height (mm)                 | 6" (152.4)          |
| Weight (kg)                 | 14 lbs (7.0)        |
| IP Rating                   | IP 65               |
| Altitude                    | ≤3000M              |
| Corrosion Resistance Rating | 240H                |
| Salt-Fog Rating             | 240H                |
| Enclosure Material          | Powder-Coated Steel |

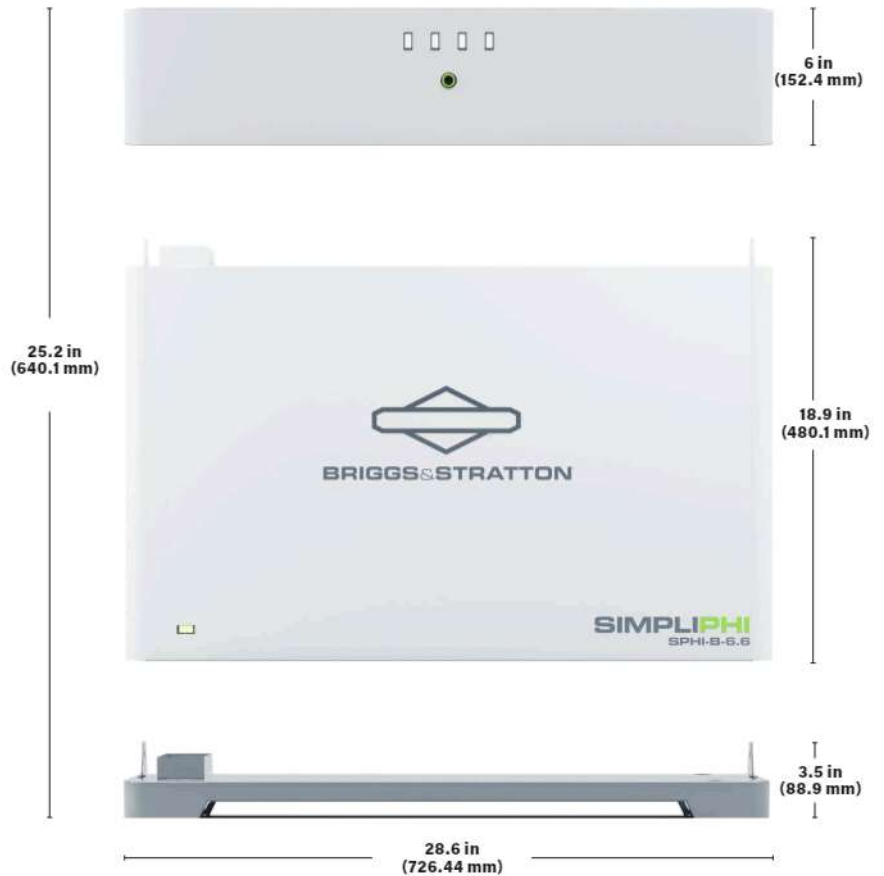
# 6.65 kWh

**SIMPLIPHI**  
6.6 Battery



| Ground Base Specifications    |               |
|-------------------------------|---------------|
| Per Stack (Up to 3 Batteries) | 1             |
| Width (mm)                    | 28.6" (726.4) |
| Depth (mm)                    | 6.7" (170.9)  |
| Height with Tabs (mm)         | 3.5" (88.9)   |
| Height without Tabs (mm)      | 1.9" (48.3)   |
| Weight (kg)                   | 5 lbs (2.3)   |

| Wall Base Specifications      |                |
|-------------------------------|----------------|
| Per Stack (Up to 3 Batteries) | 1              |
| Width (mm)                    | 28.9" (734.1)  |
| Depth (mm)                    | 5.5" (139.7)   |
| Height with Tabs (mm)         | 3.5" (88.9)    |
| Height without Tabs (mm)      | 1.5" (38.1)    |
| Weight (kg)                   | 12.4 lbs (5.6) |



## STACKED SPECIFICATIONS

| Stack Information            |  |
|------------------------------|--|
| Maximum Modules per Stack    | 3  |
| Maximum Batteries per System | 18 (6 Stacks of 3 - 119 kWh)   |
| Full Stack Dimensions        | H: 60.4" x W: 28.6" x D: 6.7"  |
| Certifications               | UL 9540 Edition 3, UL 9540A, UL1973, UL 1998 + 991, UN 38.3, UN 3480, IEC62619 |

| Battery Module Specifications |                |                   |                      |                 |        |                       |
|-------------------------------|----------------|-------------------|----------------------|-----------------|--------|-----------------------|
| # of Battery Modules          | Capacity (kWh) | Charge Power (kW) | Discharge Power (kW) | Surge (kW, 10s) | C-Rate | Discharge Current (A) |
| 1   (SPHI-6.6-LO)             | 6.65           | 3.33              | 6.66                 | 8.3             | 1.00   | 130                   |
| 2   (SPHI-13.2-LO)            | 13.3           | 6.66              | 10.65                | 13.3            | 0.80   | 208                   |
| 3   (SPHI-19.8-LO)            | 19.95          | 9.98              | 13.98                | 17.5            | 0.70   | 273                   |



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

Copyright © 2024 Briggs & Stratton. All rights reserved.

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 [energy.briggsandstratton.com](http://energy.briggsandstratton.com) for the latest information.

BS1456 - 7-24-24