








SunESS H

Smart Stacked Energy Storage System

Sunwoda SunESS H series provide the most safety & reliable energy storage solutions to customer worldwide.

Features



-  High voltage (~400V) enabled by built-in DC-DC
-  Flexible capacity configuration (5–60kWh), mixed use of old and new , upgrade at any time
-  Compatible with market-leading hybrid inverter (≥ 10 brands)
-  Safe and long-life LiFePO₄ (LFP) technology (Sunwoda Inside)
-  Optimized for both grid-tied and off grid application

Specifications

| Model | SunESS 5H | SunESS 10H | SunESS 15H | SunESS 20H |
|----------------------------------|------------------------------------|------------|------------|------------|
| Nominal energy | 5kWh | 10kWh | 15kWh | 20kWh |
| Usable energy (100%DOD) | 5kWh | 10kWh | 15kWh | 20kWh |
| Rated voltage | 409.6V | 409.6V | 409.6V | 409.6V |
| Charge/discharge cut off voltage | 350V~450V | 350V~450V | 350V~450V | 350V~450V |
| Rated charge/discharge power | 2.5kW | 5kW | 7.5kW | 10kW |
| Communication interface | CAN 2.0/RS485/WiFi/LAN | | | |
| DC disconnect | Circuit breaker, 50A, 1000V rating | | | |
| Scalability | Max. 3 in parallel, Max. 60 kWh | | | |

Operating conditions

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|-----------------------------|--|
| Installation location | Outdoor or indoor |
| Operating temperature | 14°F to 122°F (-10°C to 50°C) |
| Storage temperature | -22°F to 140°F (-30°C to 60°C) |
| Humidity | 10% to 95%, non-condensation |
| Dimensions | 633*(597/912/1227/1542)*189 (W*H*D, mm) |
| Weight | 67kg/119kg/171kg/223kg |
| Enclosure protection rating | IP55 |
| Altitude | <2000m |
| Cooling | Air cooling |
| Warranty | 10 years |
| Certificates | IEC62619/CE/UN38.3 |

