






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 (90%DOD)	4.5kWh	9kWh	13.5kWh	18kWh
Rated voltage	400V	400V	400V	400V
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

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	653*(597/912/1227/1542)*189 (W*H*D, mm)
Weight	67kg/119kg/171kg/223kg
Enclosure protection rating	IP65
Altitude	<4000m
Cooling	Air cooling
Warranty	10 years*
Certificates	IEC62619/CE/UN38.3

* DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at 25°C.

* Charge/discharge derating occurs when the operating temperature from -10°C to 5°C.

