



SunESS H

Smart Stacked Energy Storage System

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

-  High voltage (~400V) enabled by built-in DC-DC
-  Flexible capacity configuration (5–60kWh)
-  Module level energy optimization, mixed use of old and new
-  Compatible with market-leading hybrid inverter(> 10 brands)
-  Safe and long-life LiFePO4 (LFP) technology

SunESS - H

Model	SunESS-5H	SunESS-10H	SunESS-15H	SunESS-20H
Nominal energy	5kWh	10kWh	15kWh	20kWh
Usable energy (90% DOD) ¹	4.5kWh	9kWh	13.5kWh	18kWh
Rated voltage	400V	400V	400V	400V
Operating voltage range	350V~450V	350V~450V	350V~450V	350V~450V
Rated charge/discharge power ²	2.5kW	5kW	7.5kW	10kW
Peak output power	4.2kW/20s	8.4kW/20s	12.6kW/20s	16.8kW/20s
Communication interface	CAN 2.0/RS485			
DC disconnect	Circuit breaker, 50A, 1000V rating			
Scalability	Max. 3 in parallel, Max. 60 kWh			

Operating conditions	
Installation location	Outdoor or indoor
Ambient Temperature	-4°F to 122°F (-20°C to 50°C)
Humidity	5% to 95%, non-condensation
Dimensions (W*H*D, mm)	653*(553/868/1183/1498)*189
Weight	65kg/117kg/169kg/221kg
Enclosure protection rating	IP65
Altitude	< 4000m
Cooling	Natural convection
Noise emission	<29dB
Warranty	10 year ³
Certifications	IEC62619/CE/UN38.3/VDE 2510-50/CEI 0-21/FCC/UL1973
1.Test conditions: 90% DOD, 0.2C charge & discharge at 25°C. 2.The power is affected by temperature and SOC. 3.For warranty instructions, please refer to the warranty terms.	

