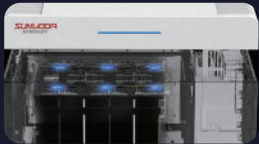




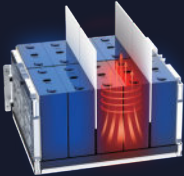
Model	SunESS-10HP	SunESS-20HP	SunESS-30HP	SunESS-40HP	SunESS-50HP	SunESS-60HP
Nominal energy	10kWh	20kWh	30kWh	40kWh	50kWh	60kWh
Usable energy ¹	9.65kWh	19.3kWh	28.95kWh	38.6kWh	48.25kWh	57.9kWh
Rated voltage	530V	530V	530V	530V	530V	530V
Operating voltage range	450V~650V	450V~650V	450V~650V	450V~650V	450V~650V	450V~650V
Rated charge/discharge power ²	5.6kW	11.2kW	16.8kW	22.4kW	28kW	33.6kW
Peak output power	8.4kW/20S	16.8kW/20S	25.2kW/20S	33.6kW/20S	42kW/20S	50.4kW/20S
Scalability	Max. 2 in parallel, Max. 120 kWh					
Operating conditions						
Installation location	Outdoor or indoor					
Ambient Temperature	- 20°C to 55°C					
Dimensions (W*H*D)	740*(440/730/1020/1310/1600/1890)*370mm					
Weight	104kg/192kg/280kg/368kg/456kg/544kg					
Ingress Protection Rating	IP66					
Altitude	<4000m					
Cooling	Natural convection					
Noise emission	< 30dB					
Warranty	10 years ³					
Cell Cycle life	10000(25°C,0.5C/0.5C, 100%DOD, EOL60%)					
Certificates	CE/IEC62619/IEC62477/IEC60730/UN38.3/VDE2510-50					
1.Test conditions: 100% 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.						

Five-Layer Battery Safety Protection

01 Real-Time Cell Temperature Monitoring



02 Aerogel Insulation Prevents Heat Propagation



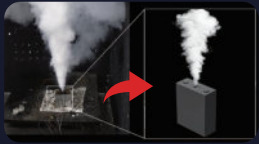
03 Integrated PACK-Level Fire Suppression System



04 Integrated Pressure Relief Valve for Enhanced Safety



05 UL9540A-Certified 314Ah LFP Cells



Flexible Expansion New & Old Battery Compatibility

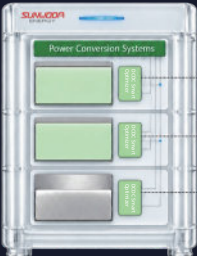
• Module-Level Active Balancing Supports New & Old Battery Mixing



Conventional batteries: Weak packs limit usable energy.

- 95%
- 95%
- 60%

• Seamless Expansion Without Pre-Charging or SOC Calibration



- 95%
- 95%
- 70%

• 10-120kWh for Residential & Small C&I Applications

Sunwoda batteries: Usable energy is not limited by weak packs.

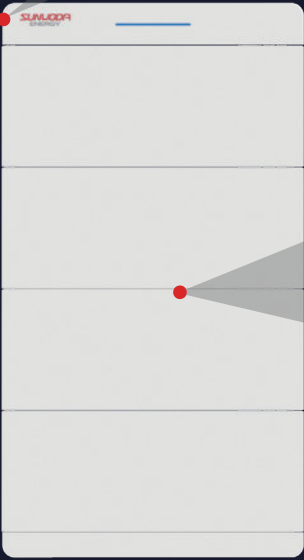
Quick Installation Plug & Play



Cable-Free Plug-and-Play Modular Design



15-Minute Stack Setup



Designed for Harsh Environments



-20°C Low-Temperature Charging



55°C High-Temperature Operation



IP66 Protection with C4-Level Corrosion Protection



Intelligent System Management

01
Real-Time
Data Monitoring

02
Remote
Smart O&M

03
Smart Fault Handling
Without System
Interruption



Business Card

SUNWODA
ENERGY



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