



IntelliHome

14-16kWh Wall/Floor-Mounted Low-Voltage Energy Storage System (ESS)

Slim Wall/Floor -Mounted Storage
Durable & Space-Saving

- Uses A+ grade cells, $\geq 6,000+$ cycle life ^①
- Standard with five-layer hardware redundancy safety protection
- Supports a max. 21A string input current, perfectly matching high-power PV modules
- Supports 160% usable PV power, maximizing solar energy utilization
- Supports 200% overload in off-grid mode, ensuring stable startup of loads
- Supports seamless on-grid and off-grid switching with transfer times $< 10\text{ms}$
- Designed for all environments: IP66 protection & C5-M anti-corrosion. Optional intelligent heating enables operation down to -20°C
- Supports up to 8 units in parallel, expanding capacity up to 128kWh
- Solis AI – smart energy management with generator support
- Supports OTA remote upgrades for efficient operation and maintenance

IntelliHome 14-16 kWh ESS



DATASHEET

IntelliHome-(14-16)kWh-OD

Models	14kWh	16kWh
Performance		
Battery type	LiFePO ₄	
Nominal energy	14 kWh	16 kWh
Operating voltage	44.8-57.6 V	
Cell capacity	314 Ah	
Recommended charge & discharge current rate	0.5 C/0.5 C	
Max. charge & discharge current rate	0.5 C/0.5 C	
Recommended charge & discharge current	157 A	
Max. discharge current	157 A	
Depth of discharge	Max. 100 % DOD	
Display	SOC indicator, Status indicator	
Communication	CAN/RS485	
Cycle life ^①	≥6000	
Protection		
Over/under voltage protection	Yes	
Over current protection	Yes	
Over/under temperature protection	Yes	
DC breaker	Yes	
DC overcurrent fuses	Yes	
Aerogel thermal insulation plate	Yes	
Fire protection function	Yes	
Explosion release valves	Yes	
General Specification		
Dimensions (W × H × D)	470 × 950 × 264 mm	
Weight	122 kg	
Cooling	Natural convection	
Ingress protection	IP66	
Anti-corrosion class	C5M	
Operating ambient temperature range	-20~55 °C (Smart heating function)	
Storage temperature range	-10~45 °C	
Relative humidity range	5~95 %	
Max. operating altitude	4000 m	
Installation method	Floor standing / Wall-mounted	
Scalability	Up to 8 units in parallel	
Compatible inverters	S6-EH1P(3-6)K-L-AU/S5-EH1P(3-6)K-L/S6-EA1P(3.6-6)K-L/S6-EH1P(3-8)K-L-PLUS-AU/S6-EH3P(8-15)K02-NV-YD-L-AU	
Standard Compliance		
Certificates	CEC, IEC 62619, IEC 63056, ISO13849, VDE 2510-50, UN 38.3, EN/IEC61000-6-1/2/3/4, IEC 60730-1, IEC 60529(IP), RoHS, REACH	

① This is provided by the battery cell manufacturer. Defined with standard test condition: the battery is within 70%SOH, charge and discharge at a constant current (0.2C) and an ambient temperature at 25°C±2°C.