



SolisStorage

IntelliHome

Wall/Floor Mounted Battery

Low voltage battery | IP66

Expandable up to 8 units in parallel (Max 40/80/128 kWh)



10 kWh

5 kWh

16 kWh

Recommended Combinations

Roof Area	150 m ²	125 m ²	100 m ²	75 m ²	60 m ²	50 m ²	30 m ²
PV System Size	30 kWp	25 kWp	20 kWp	15 kWp	12 kWp	10 kWp	6 kWp
Inverter Capacity	20 kW	20 kW	15 kW	12 kW	10 kW	8 kW	5 kW
Battery Capacity	40 kWh	40 kWh	30 kWh	20 kWh	20 kWh	16 kWh	10 kWh



w: solisstorage.com

DATASHEET

IntelliHome-(5-16)kWh-OD

Models	5kWh		10kWh		16kWh
Performance Parameters					
Battery type	LiFePO ₄				
Nominal capacity	5 kWh	10 kWh		16 kWh	
Operating voltage	44.8 - 57.6 V				
Rated cell capacity	100 Ah	100 Ah		314 Ah	
Recommended charge/discharge rate	0.5C				
Recommended charge/discharge current	50 A	100 A		157 A	
Maximum sustainable charging current	50 A	100 A		157 A	
Maximum sustainable discharge current	100 A	200 A		157 A	
Depth of discharge (DOD)	100%				
Charging temperature range	-20 ~ 55°C (with heating function) (> 45°C, derating)				
Discharging temperature range	-20 ~ 55°C (> 45°C, derating)				
Communication interface	CAN/RS485				
Cycle life ^①	> 6000 Cycles / 10 Years				
Expansion capability	Up to 8 units in parallel				
Standard Parameters					
Cooling method	Natural cooling				
Certifications & safety standards	5kWh/10kWh: IEC 62619, IEC 63056, ISO13849, VDE 2510-50, UN 38.3, EN/IEC61000-6-1/2/3/4, IEC 60730-1, IEC 60529 (IP); 16kWh: IEC 62619, IEC 63056, ISO13849, VDE 2510-50, UN 38.3, EN/IEC61000-6-1/2/3/4, IEC 60730-1, IEC 60529 (IP), CEC list				
Compatible inverters	S6-EH1P(3-6)K-L-EU/S5-EH1P(3-6)K-L (Smart)/S6-EH1P(3-10)K-L-PLUS/S6-EH1P(9.9-18)K03-NV-YD-L/ S6-EH2P(5-8)K02-SV-YD-L/S6-EH2P(9.6-16)K03-SV-YD-L-US/S6-EH3P(8-18)K02-NV-YD-L/S6-EH3P(7-10)K02-LV-YD-L/ S5-EA1P3K-L/S6-EA1P(3.6-6)K-L/S6-EO1P(4-6)K-48/S6-EO1P(4-5)K-48-EU				
Dimensions (W × H × D)	470 × 650 × 150 mm	470 × 1070 × 150 mm		470 × 950 × 240 mm	
Weight	50 kg	95 kg		126 kg	
Ingress protection	IP66				
Installation method	Floor-mounted / Wall-mounted (Default)				
Recommended operating temperature	10 ~ 45°C				
Maximum operating altitude	≤ 4000 m (> 2000 m, derating)	≤ 4000 m			
Operating ambient humidity	5 ~ 95% RH				

① Test conditions: 5kWh/10kWh: @25°C 0.2C/0.2C, 70%EOL@100%DOD;
16kWh: @25°C 0.5C/0.5C, 70%EOL@100%DOD.