SolisStorage

IntelliHome

Wall/Floor Mounted Battery

Low voltage battery | IP66
Expandable up to 8 units in parallel (Max 40/80/128 kWh)



Recommended Combinations

Roof Area	150 m²	125 m²	100 m²	75 m²	60 m²	50 m²	30 m²
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

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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°C0.2C/0.2C, 70%EOL@100%DOD;
16kWh: @25°C0.5C/0.5C, 70%EOL@100%DOD.

t: +86 574 6580 2188 **e**: sales@solisstorage.com service@solisstorage.com