

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 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

DATASHEET

IntelliHome-(5-16)kWh-OD

Models	5kWh		10kWh	16kWh
Performance				
Battery type	LiFePO ₄			
Nominal energy	5 kWh	10 kWh	16 kWh	
Operating voltage	44.8-57.6 V			
Cell capacity	100 Ah			314 Ah
Recommended charge & discharge current rate	0.5 C/0.5 C			
Max. charge & discharge current rate	0.5 C/1 C			0.5 C/0.5 C
Recommended charge & discharge current	50 A	100 A	157 A	
Max. discharge current	100 A	200 A	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*655*175 mm	470*1075*175 mm	470*950*264 mm	
Weight	47 kg	90 kg	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-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(5-18)K02-NV-YD-L, S6-EH3P(7-10)K02-LV-YD-L, S6-EA1P(3.6-6)K-L, S6-EO1P(4-6)K-48, S6-EO1P(4-5)K-48-EU			
Standard Compliance				
Certificates	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. Based on cell test condition of 25° C, 0.2C charge and discharge rate and 70% EOL at 100% DOD for 5kWh/10kWh, and 25° C, 0.5C charge and discharge rate and 70% EOL at 100% DOD for 16kWh.