

# IntelliHouse

## 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 <sup>2</sup>	125 m <sup>2</sup>	100 m <sup>2</sup>	75 m <sup>2</sup>	60 m <sup>2</sup>	50 m <sup>2</sup>	30 m <sup>2</sup>
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

# IntelliHouse-(5-16)kWh

Models	5kWh	10kWh	16kWh
<b>Performance</b>			
Battery type	LiFePO <sub>4</sub>		
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	> 95%		
Display	SOC indicator, Status indicator		
Communication	CAN/RS485		
Cycle life <sup>①</sup>	≥ 6000		
<b>Protection</b>			
Over/under voltage protection	Yes		
Over current protection	Yes		
Over/under temperature protection	Yes		
DC breaker	Yes		
Fire protection function	Yes		
<b>General Specification</b>			
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	0~55 °C / -20~55 °C (Smart heating function, optional)		
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		
<b>Standard Compliance</b>			
Certificates	IEC 62619, IEC63056, UN 38.3, EN/IEC61000-6-1/2/3/4, 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.