

IntelliHome

Wall/Floor Mounted Battery

Low voltage battery | IP66

Expandable up to 8 units in parallel (Max 112/128 kWh)



14-16 kWh



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DATASHEET

IntelliHome-(14-16)kWh-OD

Models	IntelliHome-14kWh-OD	IntelliHome-16kWh-OD
Performance		
Battery type	LiFePO ₄	
Nominal energy	14 kWh	16 kWh
Useable capacity	14 kWh	16 kWh
Operating voltage	47.2-57.6 V	44.8-57.6 V
Nominal Voltage	51.2V	51.2V
Max DC Voltage	57.6V	57.6V
Min DC Voltage	47.2V	44.8V
Cell capacity	314 Ah	
Rated DC Power	7kw	8kw
Recommended charge & discharge power	7kw	8kw
Max.charge & discharge power	7kw	8kw
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	140 A	157 A
Max. charge & discharge current	140 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*950*240 mm	
Weight	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)
Storage temperature range	-10-45 °C	
Relative humidity range	5-95 %	
Max. operating altitude	3000 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
Country of manufacture	China
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. Based on cell test condition of 25° C. 0.2C charge and discharge rate and 70% EOL at 100% DOD.