

FlexHome Stackable Battery

Low voltage battery | IP66
Expandable up to 4 units in parallel (Max 160 kWh)

5-40 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	15 kWh	10 kWh

DATASHEET

FlexHome-(5-40)kWh-L

Models	5kWh	10kWh	15kWh	20kWh	25kWh	30kWh	35kWh	40kWh
Performance								
Battery type	LiFePO ₄							
Nominal energy	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh	35 kWh	40 kWh
Operating voltage	44.8-57.6 V							
Cell capacity	100 Ah							
Recommended charge & discharge current rate	50 A	100 A	150 A	200 A	210 A			
Max. discharge current	100 A	200 A	210 A	210 A	210 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]	800*494*285 mm	800*683*285 mm	800*872*285 mm	800*1061*285 mm	800*1250*285 mm	800*1439*285 mm	800*1628*285 mm	800*1817*285 mm
Weight	76 kg	126 kg	176 kg	226 kg	276 kg	326 kg	376 kg	426 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 v							
Relative humidity range	5~95 %							
Max. operating altitude	4000 m							
Installation method	Floor standing / Wall-mounted							
Scalability	Up to 4 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(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							
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), INMETRO 140, 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.