



FlexHome Stackable Battery

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



15-40 kWh



Recommended Combinations

Roof Area	150 m ²	125 m ²	100 m ²	75 m ²	60 m ²	50 m ²
PV System Size	30 kWp	25 kWp	20 kWp	15 kWp	12 kWp	10 kWp
Inverter Capacity	20 kW	20 kW	15 kW	12 kW	10 kW	8 kW
Battery Capacity	40 kWh	40 kWh	30 kWh	20 kWh	20 kWh	15 kWh

DATASHEET

FlexHome-(15-40)kWh-H

Models	15kWh	20kWh	25kWh	30kWh	35kWh	40kWh
Performance						
Battery type	LiFePO ₄					
Nominal energy	15 kWh	20 kWh	25 kWh	30 kWh	35 kWh	40 kWh
Operating voltage	134.4-172.8 V	179.2-230.4 V	224-288 V	268.8-345.6 V	313.6-403.2 V	358.4-460.8 V
Cell capacity	100 Ah					
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	50 A					
Max. discharge current	50 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*857*285 mm	800*1046*285 mm	800*1235*285 mm	800*1424*285 mm	800*1613*285 mm	800*1802*285 mm
Weight	180 kg	230 kg	280 kg	330 kg	380 kg	430 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 4 units in parallel					
Compatible inverters	S6-EH3P(3-12)K-H/S6-EH3P(12-20)K-H/S6-EH3P(12-20)K-ND-H/S6-EH3P(8-12)K-LV-ND-H					
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/EN 62477-1:2022, IEC 60529(IP), IEC62040, 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.