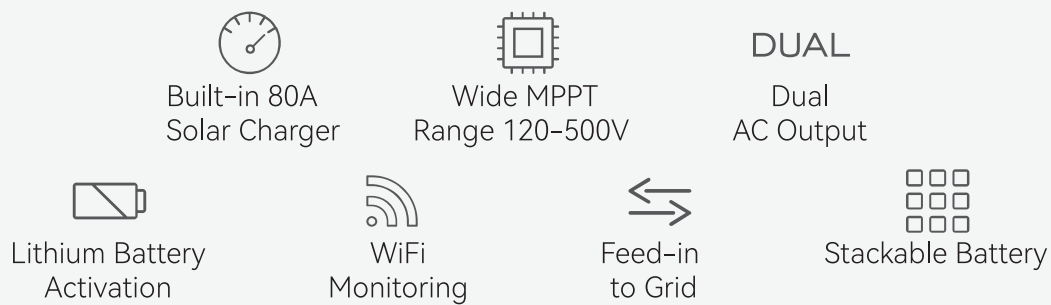


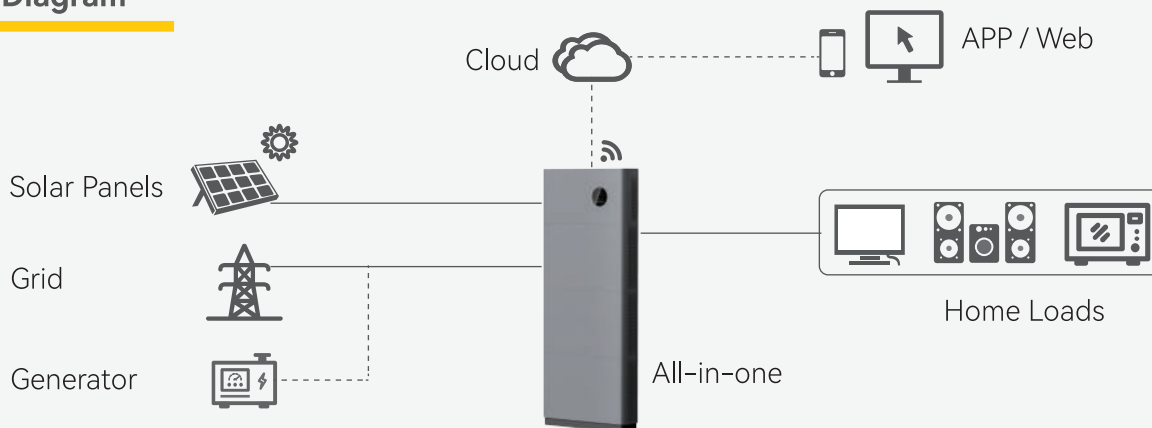
Stackable Solar System



FS5KS512X



System Diagram



Specifications

Model	FS5KS5121	FS5KS5122	FS5KS5123
	1 Battery Module	2 Battery Module	3 Battery Module
PV Input			
Rated Voltage (V)	350-360		
MPPT Voltage Operation Range (V)	120-500		
Max Input Power (W)	6000		
Max Input Voltage (V)	500		
Max Input Current (A)	18		
AC Input & Output (Grid)			
Max AC Input Current (A)	40		
Rated Output Power (W)	5000		
Max Output Power (VA)	5000		
Rated Output Current (A)	21.7		
Max Output Current (A)	23.9		
Rated Output Voltage (V)	220/230/240		
THDI	<3% (Nominal Power)		
Emergency Output			
Max Output Power (VA)	5000		
Peak Output Power (VA)	10000		
Max Output Current (A)	16-26.1		
Rated Output Voltage (V)	220/230/240 (+/-0.2%)		
Output Frequency (Hz)	50/60 (+/-0.2%)		
THDU	<2%		
Transfer Time (ms)	<10		
Efficiency			
Max Battery Discharge Efficiency	91%		
Max Charge Efficiency (PV to battery)@ Full load	98.50%		
System Parameter			
Dimensions (W*D*H)	674*170*775mm	674*170*1135mm	674*170*1535mm
Work Temperature Rang (°C)	-20 ~ +60 (Derating @45 °C)		
Storage Temperature (°C)	-20 ~ +45		
Storage RH (%)	5%~90% (non-condensing)		
Altitude (m)	<2000		
Ingress Protection	IP21		
Dispaly	LCD/APP		
Cooling Method	Natural cooling		
Inverter Topology	Non-isolated		
Installation	Floor-mount		
Battery Pack Specification			
Cell Type	LFP		
Cell Configuration	16S1P		
Nominal Voltage (V)	51.2		
Nominal Capacity (Ah)	100		
Nominal Energy / Module (Wh)	5120		
System Energy (Wh)	5120 (1 Module)	10240 (2 Modules)	15360 (3 Modules)
Charge Voltage (V)	58		
Max Charging Current (A)	100		
Max Discharging Current (A)	100		
Charge Temperature Range (°C)	0~45		
Discharge Temperature Range (°C)	-20~60		
Storage Temperature Range (°C)	-20~45		
Humidity (%)	5~95%RH		
Cooling Method	Natural cooling		
Cycle Life (Time)	≥ 6000 (80% DOD, Remaining 80%)		
Communication	CAN & RS485		
Weight (kg)	55		