

Stackable All-in-one ESS

1+X (Inverter+Batteries)



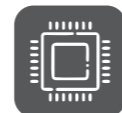
Features

Safer Design

- Cobalt-Free Lithium Iron Phosphate Battery(LFP) with safety, longer lifespan, high power & energy density, light weight, intelligent BMS with providing complete protection.



LFP Cell



Built-In BMS



6000+ Cycles

All-In-One Design

- Integrating with off-grid inverter, battery bank built in BMS to avoid communication compatibility problem.



Modular Design



Multi-Parallel



Integrated Inverter

Modular Design

- Flexible capacity scalability, Max. 6 units in parallel, Max. Capacity of 30.72kWh. Fast plug-in & plug-out with simple connection. Easy installation & Maintenance.

Visible Interface Design

- LCD display show the information about the equipment with in real time for fast monitoring.



Structure	Parameters			
	1+3	1+4	1+5	1+6
Model	SA MPI 5kW/15kWh	SA MPI 5kW/20kWh	SA MPI 5kW/25kWh	SA MPI 5kW/30kWh
Battery	3	4	5	6
Inverter	1	1	1	1
Base	1	1	1	1

Off-grid Inverter			
Rated Output Power	5 kW		
Maximum Peak Power	10KVA		
Power Factor	1		
Rated Output Voltage (Vac)	230Vac	120Vac	
Frequency	50Hz	60Hz	
Auto Switch Period	<15ms		
Maximum AC Charge Power	3150W	2100W	
AC Charging Current Range	0~60A	0~40A	
Input Voltage Range	90~280Vac	90~140Vac	
Rated Output Power	5 kW		
Maximum Output Current	30A		
Output Frequency	50Hz	60Hz	
Overload Current	35A	55A	
Solar Charge Type	MPPT		
Maximum PV Array Power	5 kW		
PV Charging Current Range	0~80A		
MPPT Voltage Range	120~450V		
Battery			
Capacity	15.36kWh	20.48kWh	25.60kWh
Battery Voltage/Range	46.7-57V		
Maximum Charging Power	5000W		
Maximum Charging Current	60A		
Maximum Discharging Power	5000W		
Maximum Discharging Current	100A		
Other Information			
Dimension Lx DxH	600*540*740mm	600*540*920mm	600*540*1100mm
Weight	161kg	204kg	247kg
Operation Humidity	5%~85%		
Operating Temperature Range	-15°C ~ 55°C		
Nominal Operation Altitude	<2000m		
Ingress Protection Rating	IP20		
Noise	<60dB		