



Stackable All-n-One ESS

5kWh+6kW/16kWh+12kW

Product Highlights

- Expand power as needed and assemble freely
- Integrated PV and AC charging
- Integrated Ups function
- High integration and easy installation

	5kWh+ 6kW	16kWh+ 12kW
Model	IYP-SM5K1A-6KF1-A1	IYP-SM16K1A-12KF1-A1
Battery		
Battery Type	LiFePO4 Battery	
Battery Energy	5.12kWh	16kWh
Nominal Voltage	51.2V	
Rated Capacity	100Ah	314Ah
Voltage Range	42.0~58.0V	
PV		
Max. Power	6kW*2	6kw
Max. PV Voltage	500Vdc	
MPPT Voltage Range	90~450Vdc	60~450Vdc
Max. PV Charge Current	22A+22A	120A
AC Output		
Rated Power	12kW	6kW
AC Voltage	230Vac±5%	
AC Frequency	50Hz/60Hz	
Efficiency	94%	
Transfer Time	10ms (for PC) 20ms (for Appliance)	
Waveform.	Pure sine wave	
AC Input		
Rated AC Voltage	230Vac	
AC Voltage Range	170~280Vac(for PC) 90~280Vac(for Applis)	
Frequency Range	50Hz/60Hz	
General Parameters		
Altitude	2000m	
Humidity	5%~95%	
Work Temperature	-10 -50	
IP Grade	IP20	
Communication	RS485/WiFi	
Size(mm)	665*550*576mm	585*360*435mm
Weight (kg)	148kg(about)	60kg(about)