



# Standing All-in-One ESS

1~6KW/1.28~5.12KWh-A1

## Product Highlights

- LiFePO4 Battery + Inverter
- Integrated PV and AC charging
- High integration and easy installation
- Integrated Ups function

	1.28kWh	2.56kWh	5.12kWh
<b>Model</b>	IYP-ST1K3A-1KF1-B1	IYP-ST2K5A-3KF1-B1	IYP-ST5K1A-6KF1-B1
<b>Battery</b>			
Battery Type	LiFePO4 Battery		
Battery Energy	1.28KWh	2.56kWh	5.12kWh
Nominal Voltage	12.8V	25.6V	51.2V
Rated Capacity	100Ah	100Ah	100Ah
Voltage Range	10~14V	22~29V	42~58V
<b>PV</b>			
Max. Power	1KW	3.6kW	6KW
Max. PV Voltage	105Vdc	500Vdc	500Vdc
MPPT Voltage Range	20~100Vdc	40~450Vdc	60~450Vdc
Max. PV Charge Current	50A	60A	120A
<b>AC Output</b>			
Rated Power	1KW	3KW	6KW
AC Voltage	230Vac±5%		
AC Frequency	50Hz/60Hz		
Efficiency	91%	93%	93%
Transfer Time	10ms (for PC) 20ms (for Appliance)		
Waveform.	Pure sine wave		
<b>AC Input</b>			
Rated AC Voltage	230Vac		
AC Voltage Range	170~280Vac(for PC) 90~280Vac(for Applis)		
Frequency Range	50Hz/60Hz		
<b>General Parameters</b>			
Altitude	2000m		
Humidity	5%~95%		
Work Temperature	-10 ~50		
IP Grade	IP20		
Communication	RS485/WIFI		
Size(mm)	280*150*400mm	450*140*570mm	500*170*730mm
Weight (kg)	25kg(about)	30kg(about)	52kg(about)