



Wall-Mounted All-In-One ESS

1~6kW/1.28~5.12kWh

Product Highlights

- LiFePO4 Battery inverter
- High integration and easy installation
- Integrated PV and AC charging
- Integrated UPS function

	1.28kWh+ 1kW	2.56kWh+ 3kW	5.12kWh+6kW
Model	IYP-1K3A-1KF1-B1	IYP-2K5A-3KF1-B1	IYP-5K1A-6KF1-B1
Battery			
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	10.0-14.0V	22.0-29.0V	42.0-58.0V
PV			
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
AC Output			
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		
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)	280*150*400mm	450*140*570mm	500*170*730mm
Weight (kg)	25kg(about)	30kg(about)	52kg(about)