



IPS6500

Single Phase Off-grid Inverter

It is applicable to 208/220/230/240V voltage systems

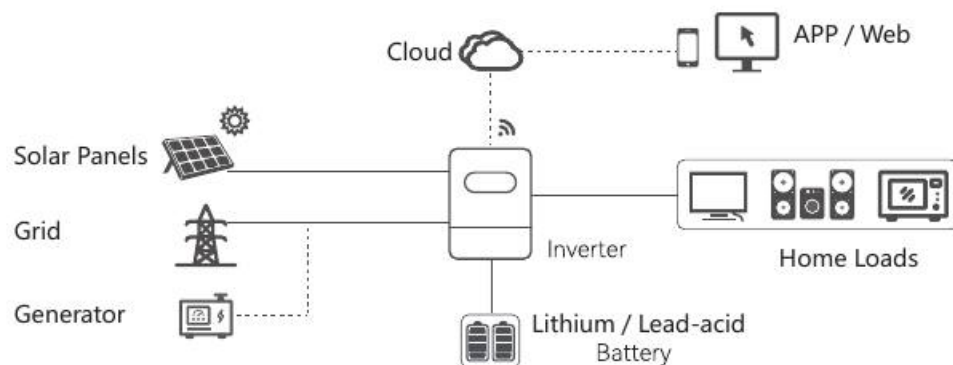


- Built-in 120A Solar Charger.
- Wide PV Input Voltage Range 60~450V.
- 28A MAX PV Input.
- Dual AC Output.
- Support Meter/CT Connection.
- Support Lithium/Lead-acid Battery.
- Lithium Battery Activation.
- Support Generator ATS Control.
- Feed-in to Grid.
- WiFi Monitoring(optional/built-in).

SKD available



System Diagram



Technical Data

MODEL	IPS6500-48
AC Input	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90~280±3 (normal model), 170~280±3 (UPS model)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC Output	
Rated Capacity (kW)	6.5
Surge Power (kVA)	13
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (normal model) / 10 (UPS model)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	10min@102%-120% Load, 1min@120%-150% Load 10S@150%-200% Load, 5s@ 200% Load
Max. Efficiency (Battery Mode)	93%@48VDC
Parallel Operation Support	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV input current / power	28A / 9000W
MPPT Range/Operating Voltage (VDC)	60~450
Max PV Open Circuit Voltage (VDC)	520
Max PV Charge Current (A)	120
Max AC Charge Current (A)	120
Max. Charge Current (PV + AC) (A)	120
Battery	
Rated Voltage (VDC)	48
Floating Charge Voltage (VDC)	54
Overcharge Protection (VDC)	61
Battery Type	Lithium and Lead-acid
Interface	
HMI	LCD/RGB
Interface	RS485 / CAN / RS232 / CT(optional)
Monitoring	WiFi (built-in)
General Data	
Ingress Protection	IP54
Warranty	2 years
Operating Temperature	-10 °C ~ 50 °C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 °C ~ 60 °C
Net Weight (kg)	10.7
Dimensions (W*H*D)	514*338*136.5mm
Max. Operating Altitude	4000m (Derating above 1000m)

Product specifications are subject to change without further notice.