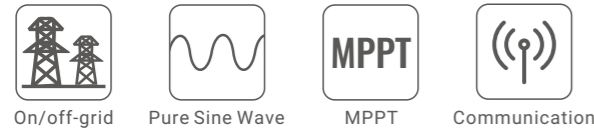


On/off-grid Solar Inverter



Inverter has the function of segmented charging and discharging, backflow prevention and grid connection function. working without battery under special conditions. lithium battery activation function, which can be triggered by mains or PV. Four charging modes: PV Only, Mains Priority, PV Priority and PV&Mains hybrid charging. Two output modes: mains bypass and inverter output, with UPS function. Adopting full-digital double closed loop control, combined with advanced SPWM. Advanced MPPT technology with efficiency of 99.9%. LCD screen and three LED lights can clearly indicate the status and data. Intelligent and variable-speed fan, efficiently dissipate heat and extend system life. Multiple safety protection functions: short circuit protection, overload protection, reverse polarity protection and so on.

Technical Parameters

PRODUCT BASIC PARAMETERS	
Model	PI Series
Rated power	5500W
Standard battery voltage	Lead-acid Battery or Lithium Battery 48VDC
Battery voltage range	100A
Hybrid charging MAX charging current	40VDC~60VDC ± 0.6VDC(Undervoltage/Shutdown Voltage/Overvoltage /Overvoltage Recovery Warning)
Installation method	Wall mount
PV INPUT PARAMETERS	
MaxPV Open-circuit Voltage	500VDC
PV Working Voltage Range	120-500VDC
MPPT Voltage Range	120-450VDC
Max PV Input Current	22A
Max PV Input Power	600W
Max PV Charging Current	100A
AC INPUT PARAMETERS	
Mains Max Charging Current	60A
Rated Input Voltage	220/260VAC
Input Voltage Range	UPS Mains Mode: (170VAC~280VAC)±2% APL Generator Mode: (90VAC-280VAC)±2%
Frequency	50Hz/ 60Hz (Automatic Detection)
Mains Charging Efficiency	>95%
Switch Time (bypass and inverter)	10ms(Typical Value)
Max Bypass Overload Current	40A
AC OUTPUT PARAMETERS	
Output Waveform	Pure Sine Wave
Rated Output Voltage(VAC)	230VAC 200/208/220/240VAC
Rated Output Power(VA)	6600VA
Rated Output Powe(W)	5500W
Peak Power	11000W(1~3s)
On-load Motor Capacity	4HP
Output Frequency Range(Hz)	50Hz±0.3Hz/60Hz±0.3Hz
Maximum Efficiency	>90%
No-load Loss	Non Energy-saving Mode: ≤50W Energy-saving Mode: ≤25W (Manual Setup)
BASIC PARAMETERS	
Working Temperature Range	-25°C ~ 55°C
Storage Temperature Range	-25°C ~ 60°C
Humidity Range	0~100%
Waterproof Grade	IP65
Product Size	556*345*182mm
Product Weight	19.2Kg