










## SOLAR INVERTER IVPS SERIES

-  Bypass charging function.
-  AC 90-280V Wide range of AC input voltage.
-  Grid electricity and battery power priority is optional.
-  50/60HZ compatible.
-  Intelligently fine-tune the over-discharge voltage according to the load power.
-  Comprehensively upgraded safety protection design, industry-leading transformer over-temperature protection.
-  Comprehensive scientific management of electric charging and solar charging, will soon get rid of MPPT exchange.

## Specification

Model	IVPS1512	IVPS2512	IVPS3524	IVPS5048	IVPS7548	IVPS10048
Rated Output Power(VA)	1500VA	2500VA	3500VA	5000VA	7500VA	10000VA
Rated Output Power(W)	1200W	2000W	2800W	4000W	6000W	8000W
Nominal DC Input Voltage	12V		24V	48V	48V	48V
Input Voltage Waveform	Sinusoidal(Utility or generator)					
Nominal Input Voltage	220Vac					
Low Line Disconnect	170±7Vac(UPS) 90±7Vac(APL)					
Low Line Re-connect AC Input Range	180±7Vac(UPS) 100±7Vac(APL)					
High Line Disconnect	280±7Vac					
High Line Re-connect	270±7Vac					
Max AC Input Voltage	280Vrms					
Nominal Input Frequency	50Hz/60Hz					
Output Voltage Waveform	As same as input waveform					
Efficiency(Line mode)	≥95% (Rated R load, and battery is fully charged)					
Pass Through Without Battery	No					
Max Bypass Overload Current	AC 30A			AC 63A		
<b>Utility Charge Mode Specifications</b>						
Nominal Input Voltage	220Vac					
Input Voltage Range	90~280Vac					
Nominal Output Voltage	Dependent on battery type					
Max Charge Current	18	40A	50A	60A	80A	
Charge Current Regulation	0A~18A	0A~40A	0A~50A	0A~60A	0A~80A	
Battery Initial Voltage	Circuit breaker					
Charger Short Circuit	AC 30A			AC 63A		
Breaker Size	Depends on battery type or Self-defined					
Over Charge Protection	Yes					
<b>Inverter Mode Specifications</b>						
Output Voltage Waveform	Pure sine wave					
Nominal Output Voltage	220Vac±5%					
Nominal Output Frequency(Hz)	50±0.3Hz/60Hz±0.3Hz (Adjustable)					
Output Voltage Regulation	±5%rms					
Peak Efficiency	90%					
Capable of Starting Electric	Yes					
Output Short Circuit Protection	Yes					
Cold Start Voltage	11.5V/23V/46V					
<b>General Specifications</b>						
Operating temperature	0°C ~40°C					
Storage temperature	-15°C ~60°C					
Net Weight(KG)	9.3KG	21.0KG	26.0KG	29.1KG	29.1KG	55.8KG
Gross Weight(KG)	11.2KG	24.1KG	28.8KG	32.5KG	32.5KG	67.7KG
Product Dimension(D*W*H)	354x238x145MM	472x291x195MM		525x420x195MM		615x420x195mm
Package Dimension(D*W*H)	440x312x246MM	552x508x290MM		607x540x290MM		690x480x335mm