



Pure Sine Wave Inverters

Datasheet, Version 621



Features:

- Pure sine wave output
- Split-Phase in 4kW-12kW
- UPS and AC charger function
- Short-circuit protection against overload
- Under-voltage and over-temperature protection
- Over voltage, battery reverse connection (optional)
- High-low voltage protection
- AC Charging current 0-35A
- Configurable to battery or utility priority

Model		PSWI-1KW	PSWI-1.5KW	PSWI-2KW	PSWI-3KW	PSWI-4KW	PSWI-5KW	PSWI-6KW	PSWI-8KW	PSWI-10KW	PSWI-12KW	
Input	Rated Capacity	1KW	1.5KW	2KW	3KW	4KW	5KW	6KW	8KW	10KW	12KW	
	Peak Power	3KW	4.5KW	6KW	9KW	12KW	15KW	18KW	24KW	30KW	36KW	
	Commercial Power Range (VAC)	110V AC:83V-137V / 120V AC: 90V-150V 220V AC: 165V-275V/240V AC: 173V-287V							220V AC: 165V-275V 240V AC: 173V-287V			
	Mains Input Frequency Range	45-65HZ										
Battery	Type	Lead-Acid (AGM, Gel) or Lithium										
	DC Voltage	12V/24VDC			24V/48V DC				48V/96V DC			
	DC Input Voltage Range	12V DC: 10.5-15.0V DC; 24V DC: 21-30V DC; 48V DC: 42.0-60.0V DC;96V DC :84-120V DC										
Charger	AC Charging	5-35A (Custom set 40A 50A Options)										
Output	Capable of Starting Electric Motor	0.5HP	1HP	1.5HP	2HP			3HP				
	Voltage Range	110/120/220/230/240±10% (Autosensing)										
	Battery Over Voltage Protection	12V DC: 16.7V DC / 24V DC: 33.4V / 48V DC: 66.8V										
	Battery Over Voltage Alarm	12V DC: 15V DC / 24V DC: 30V / 48V DC: 60V										
	Battery Under Voltage Protection	12V DC: 10.5V DC / 24V DC: 21V / 48V DC: 42V										
	Battery Low Voltage Protection	12V DC: 10V DC / 24V DC: 20V / 48V DC: 40V										
	Transfer Time	Typical: 5ms (including detection time)										
	Temperature Protection	≥85°C alarm, ≥90°C machine shut off										
Overload	IPS automatically shuts down if overload exceeds 120% of normal value for 10 seconds, IPS automatically resumes work if overload comes to rated load											

	Waveform	Pure Sine Wave									
	Frequency	Commercial power supply: shared frequency with the commercial inversion state: 60/50±0.5									
	Output Frequency Range (Electric supply mode)	Tracking automatically									
Temperature	Operating Temperature	0 ~ 70°C									
	Thermal Method	Cooling fan is intelligent control ≤42°C fan rotates slowly to ≥ 45°C fan rotates fast									
Physical Size	Dimensions (mm)	510*325*215				645*325*215			765*320*250		
	Weight (kg)	16	19	20	27	35	37	41	57	60	62