



## **PSW200W Series Pure Sine Wave Inverter**

### **Features**

- Pure sine wave output (THD < 3%) R Load
- Output frequency : 50 / 60Hz switch
- Loading and Temperature controlled cooling fan
- Advanced microprocessor
- Regulated output protects sensitive equipment
- Compact size for convenient use and storage
- Auto shutdown prevents total battery discharge
- Protection :Input Undervoltage
  - Input Overvoltage
  - Overload
  - Short circuit
  - Low battery alarm
  - Over temperature

## Electrical Performance : 200W

Specification	Model					
Item	YK- PSW1220	YK- PSW2420	YK- PSW4820	YK- PSW1220E	YK- PSW2420E	YK- PSW4820E
Continuous Output Power	200W					
Maximum Output Power	250W (3Min.)					
Surge Rating	400W					
Input Voltage	12V	24V	48V	12V	24V	48V
DC Input Voltage Regulation	10-16 VDC	20-32 VDC	42-62 VDC	10-16 VDC	20-32 VDC	42-62 VDC
DC Input Over Voltage Alarm	15.5VDC	31.0VDC	61.0VDC	15.5VDC	31.0VDC	61.0VDC
DC Input Over Voltage Shut-down	16.0VDC	32.0VDC	62.0VDC	16.0VDC	32.0VDC	62.0VDC
DC Input Under Voltage Alarm	10.5VDC	21.0VDC	43.0VDC	10.5VDC	21.0VDC	43.0VDC
DC Input Under Voltage Shut-down	10.0VDC	20.0VDC	42.0VDC	10.0VDC	20.0VDC	42.0VDC
<b>Efficiency (full load)</b>	<b>90%</b>	<b>92%</b>	<b>94%</b>	<b>92%</b>	<b>94%</b>	<b>96%</b>
No Load Current Draw	0.65A	0.29A	0.15A	0.62A	0.33A	0.18A
<b>Output Waveform</b>	<b>R Load Pure Sine Wave &lt; 3% THD</b>					
Output Voltage Regulation	100/110/115/120V RMS $\pm$ 3%			200/220/230/240V RMS $\pm$ 3%		
<b>Frequency</b>	<b>50/60Hz <math>\pm</math>0.05%</b>					
Peak Output Current	4A			2A		
Output Indicator	Green LED					
Protection indicator	OLP --- Red LED OTP --- Red LED UVP/OVP --- Red LED					
Protection	Overload, Short Circuit, Reverse Polarity (Fuse), Input Undervoltage, Input Overvoltage, Over Temperature.					
Safety	EN60950-1:2006 & IEC60950-1: 2005(2nd Edition)					
EMC	FCC Class B			EN55022:2010 /AC:2011 (Class B) EN55024: 2010 EN61000-3-2: 2006+A1:2009+A2:2009 EN61000-3-3: 2013 IEC 61000-4-2:2008 IEC61000-4-3:2006+A1:2007+A2:2010 IEC61000-4-4:2012 IEC61000-4-5:2005 IEC61000-4-6:2008 IEC61000-4-8:2009 IEC61000-4-11:2004		
Operating Temperature Range	-20°C to 50°C					
Storage Temperature Range	-30°C to 70°C					
Cooling	Loading and Temperature controlled cooling fan					
Dimensions	230.4 (L) $\times$ 118.4 (W) $\times$ 70.5 (H) mm					
Weight	1.2kgs					

The specifications are subject to change without notice.