



Asian Electron Co., Ltd.

Electrical Performance : 1000W Pure Sine Wave Inverters

Specification	Model					
Item	YK-PSW12100	YK-PSW24100	YK-PSW48100	YK-PSW12100E	YK-PSW24100E	YK-PSW48100E
Continuous Output Power	1000W					
Maximum Output Power	1150W (3Min.)					
Surge Rating	2000W					
Input Voltage	12V	24V	48V	12V	24V	48V
Input Voltage Range	10-16VDC	20-32VDC	42-62VDC	10-16VDC	20-32VDC	42-62VDC
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
Output Voltage	100/110/115/120V(Switch Selectable) RMS±3%			200/220/230/240V(Switch Selectable) RMS±3%		
Frequency	50/60Hz ± 0.05% (Switch Selectable)					
Efficiency (full load)	86%	88%	89%	87%	90%	92%
No Load Current Draw	1.07A	0.63A	0.43A	0.93A	0.47A	0.31A
Power Saving function	Optional					
Output Waveform	R Load Pure Sine Wave < 3% THD					
Protection	Overload, Short Circuit, Reverse Polarity (Fuse), Over/Under Input Voltage, Over Temp.					
Safety	EN60950-1:2006 & IEC60950-1: 2005(2nd Edition)					
EMC	FCC Class B			EN55022:1998/ A1:2000/A2:2003 (Class B) EN55024: 1998/ A1:2001/A2:2003 EN61000-3-2: 2000/ A2:2005 EN61000-3-3: 1995/A1:2001 IEC61000-4-2:1995/ A1:1998/A2:2000 IEC61000-4-3:2002/A1:2002 IEC61000-4-4:2004 IEC61000-4-5:1995/ A1:2000 IEC61000-4-6:1996/A1:2001 IEC61000-4-8:1993/A1:2000 IEC61000-4-11:2004		
Digital Display	OVP, UVP, OTP, OLP, VAC, AMP, WATT, VDC, TEMP, Hz					
Interface Control Port	RS-232 With Baud Rate 2400, 4800,9600,19200 (Switch Selectable)					
Remote Control Unit	Optional (Wire Control)					
Operating Temperature Range	-20°C to 50°C					
Storage Temperature Range	-30°C to 70°C					
Cooling	Loading controlled cooling fan					
Dimensions	334 (L) × 179 (W) × 81 (H) mm					
Weight	3.8kgs					

Note: The specifications are subject to change without notice.