



Electrical Performance : 3000W Pure Sine Wave Inverters

Specification	Model									
Item	YK-PSW 12300	YK-PSW 24300	YK-PSW 48300	YK-PSW 110300	YK-PSW 220300	YK-PSW 12300E	YK-PSW 24300E	YK-PSW 48300E	YK-PSW 110300E	YK-PSW 220300E
Continuous Output Power	3000W									
Maximum Output Power	3200W (3 mins)									
Surge Rating	6000W									
Input Voltage	12V	24V	48V	110V	220V	12V	24V	48V	110V	220V
Input Voltage Range	10-16 VDC	20-32 VDC	42-62 VDC	90-140 VDC	180-275 VDC	10-16 VDC	20-32 VDC	42-62 VDC	90-140 VDC	180-275 VDC
DC Input over voltage alarm	15.5VDC	31.0VDC	61.0VDC	135VDC	270VDC	15.5VDC	31VDC	61.0VDC	135VDC	270VDC
DC Input over voltage shut-down	16.0VDC	32.0VDC	62.0VDC	140VDC	275VDC	16.0VDC	32.0VDC	62.0VDC	140VDC	275VDC
DC Input under voltage alarm	10.5VDC	21.0VDC	43.0VDC	95VDC	185VDC	10.5VDC	21.0VDC	43.0VDC	95VDC	185VDC
DC Input under voltage shut-down	10.0VDC	20.0VDC	42.0VDC	90VDC	180VDC	10.0VDC	20.0VDC	42.0VDC	90VDC	180VDC
Output Voltage Adjustment	100 ~ 120V (Tune VR)					200~240V (Tune VR)				
Frequency	50/60Hz \pm 0.05% (Switch Selectable)									
Peak Output Current	54A					27A				
Efficiency (full load)	86%	88%	89%	94%	94%	87%	90%	92%	94%	94%
No load Current Draw	1.4A	0.75A	0.5A	0.32A	0.28A	1.8A	0.9A	0.57A	0.46A	0.38A
Stand by Current Draw	\leq 1.5W Power Saving Mode									
Output Waveform	R Load Pure Sine Wave < 3% THD									
Protection	Overload, Short Circuit, Reverse Polarity (Fuse), Over/Under Input Voltage, Over Temperature.									
Digital Display	OVP, UVP, OTP, OLP, VAC, AMP, WATT, VDC, TEMP, Hz									
Safety	EN60950-1									
EMC	FCC Class A					EN 55022:2006, Class A EN 61000-3-2: 2006 EN 61000-3-3: 1995+A1: 2001+A2: 2005				
Power Saving Recovery Time	8 seconds									
Interface Control Unit	RS-232 with Baud Rate 2400, 4800, 9600, 19200 (Switch Selectable)									
Remote Control Unit	Optional (RF Remote Control or Wire Control)									
Operating Temperature Range	-30°C to 50°C									
Storage Temperature Range	-30°C to 70°C									
Dimensions	454.6(L) \times 283(W) \times 101.2 (H) mm									
Cooling	Thermostatically controlled cooling fan									
Weight	10.6kgs									

Note: The specifications are subject to change without notice.