



# Asian Electron Co., Ltd.

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## **3U 19"/23" Rack-mount Model 3U 19"/23" Open Frame Cabinet model YK- PSW5KVA Series Pure Sine Wave Inverter**

### **Features**

- Pure sine wave output (THD < 3%) R Load
- By pass function
- Output frequency : 50 / 60Hz switch
- RS – 232 interface / remote controls port / Wire connection to PC
- Wired Remote control
- Loading & Temperature controlled cooling fan
- Advanced microprocessor
- Protection: Input Undervoltage, Input Overvoltage,  
Overload , Short circuit , Low battery alarm , Over temperature

## Electrical Performance: 5KVA

Specification	Model							
Item	YK-PSW 245KVA (3U)	YK-PSW 485KVA (3U)	YK-PSW 1105KVA (3U)	YK-PSW 2205KVA (3U)	YK-PSW 245KVAE (3U)	YK-PSW 485KVAE (3U)	YK-PSW 1105KVAE (3U)	YK-PSW 2205KVAE (3U)
Continuous Output Power	5000W							
Maximum Output Power	5200W (3 mins)							
Surge Rating	10000W							
Input Voltage	24V	48V	110V	220V	24V	48V	110V	220V
Input Voltage Range	20-32 VDC	42-62 VDC	90-140 VDC	180-275 VDC	20-32 VDC	42-62 VDC	90-140 VDC	180-275 VDC
DC Input over voltage alarm	31VDC	61VDC	135VDC	270VDC	31VDC	61VDC	135VDC	270VDC
DC Input over voltage shut-down	32VDC	62VDC	140VDC	275VDC	32VDC	62VDC	140VDC	275VDC
DC Input under voltage alarm	21VDC	43VDC	95VDC	185VDC	21VDC	43VDC	95VDC	185VDC
DC Input under voltage shut-down	20VDC	42VDC	90VDC	180VDC	20VDC	42VDC	90VDC	180VDC
No load Current Draw	1.64A	0.82A	0.42A	0.24A	1.30A	0.68A	0.35A	0.18A
Output Voltage Adjustment	100 ~ 120V (Tune VR)				200~240V (Tune VR)			
<b>Frequency</b>	<b>50/60Hz ± 0.05% ( Switch Selectable)</b>							
Peak Output Current	91A				45A			
<b>Efficiency (full load)</b>	<b>85%</b>	<b>87%</b>	<b>90%</b>	<b>92%</b>	<b>90%</b>	<b>92%</b>	<b>94%</b>	<b>94%</b>
<b>Output Waveform</b>	<b>R Load Pure Sine Wave &lt; 3% TH</b>							
Protection	Overload, Short Circuit, Reverse Polarity (fuse), Input Undervoltage, Input Overvoltage , Over Temperature.							
Digital Display	OVP, UVP, OTP, OLP, VAC, AMP, WATT, VDC, TEMP, Hz							
Safety	EN60950-1							
Interface Control Unit	RS-232C with Baud Rate 2400, 4800, 9600, 19200 (Switch Selectable)							
Remote Control Unit	Optional	Can't support			Optional	Can't support		
AC Input	110V AC				220V AC			
AC Frequency	(50Hz ~ 60 Hz) ± 3%				(50Hz ~ 60 Hz) ± 3%			
Bypass	4~6ms				4~6ms			
Operating Temperature Range	-20°C to 50°C							
Storage Temperature Range	-30°C to 70°C							
Cooling	Loading & Temperature controlled cooling fan							
Dimensions	504(L) x 425(W) x 132(H)mm							
Weight	19kgs							

The specifications are subject to change without notice.