



# Asian Electron Co., Ltd.

6F-1, No.150, Jian Yi Road, Zhonghe Dist., New Taipei City 235, TAIWAN, R.O.C.

TEL.: 02-8226-5158 FAX:02-82265150

[Http://www.asian-electron.com](http://www.asian-electron.com)

Email: [sales@asian-electron.com](mailto:sales@asian-electron.com)



## 2U 19"/23" Rack-mount Model 2U 19"/23" Open Frame Cabinet model YK- PSW2KVA 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 and Temperature controlled cooling fan
- Advanced microprocessor
- Protection Input Undervoltage
  - Input Overvoltage
  - Overload
  - Short circuit
  - Low battery alarm
  - Over temperature

## Electrical Performance

Specification	Model										
Item	YK-PSW 122KVA (2U)	YK-PSW 242KVA (2U)	YK-PSW 482KVA (2U)	YK-PSW 1102KVA (2U)	YK-PSW 2202KVA (2U)	YK-PSW 122KVA E(2U)	YK-PSW 242KVAE (2U)	YK-PSW 482KVAE (2U)	YK-PSW 1102KVAE (2U)	YK-PSW 2202KVAE (2U)	
Continuous Output Power	2000W										
Surge Rating	3Min 2300W										
	3Sec. 2500W										
Peak	4000W										
Input Voltage	12V	24V	48V	110V	220V	12V	24V	48V	110V	220V	
<b>Frequency</b>	<b>50/60Hz ± 0.05% (Switch Selectable)</b>										
Peak Output Current	36A					18A					
<b>Efficiency (full load)</b>	<b>86%</b>	<b>88%</b>	<b>89%</b>	<b>94%</b>	<b>94%</b>	<b>87%</b>	<b>90%</b>	<b>92%</b>	<b>94%</b>	<b>94%</b>	
<b>No Load Current Draw</b>	<b>1.25A</b>	<b>0.56A</b>	<b>0.32A</b>	<b>0.38A</b>	<b>0.18A</b>	<b>1.79A</b>	<b>0.87A</b>	<b>0.40A</b>	<b>0.40A</b>	<b>0.20A</b>	
<b>Output Waveform</b>	<b>R Load Pure Sine Wave &lt;3% THD</b>										
Output Voltage Adjustment	100 ~ 120V (Tune VR)					200~240V (Tune VR)					
P.F.	1.0					1.0					
Input Voltage Regulation	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	31VDC	61VDC	135VDC	270VDC	15.5VDC	31VDC	61VDC	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	
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										
EMC	FCC Class A					EN 55022: 2006 , Class A EN 61000-3-2: 2006 EN 61000-3-3: 1995+ A1:2001+A2:2005					
Interface Control Port	RS-232 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	-20°C to 50°C										
Storage Temperature	-30°C to 70°C										
Cooling	Loading and Temperature controlled cooling fan										
Dimensions	435(L) x424(W) x88(H) mm										
Weight	12.8kgs										