



### Features

- Professional solution for Off-Grid solar system
- Auto switch 4 FUN: DC to AC , AC bypass, AC charger and UPS
- DIP Switches : Low Battery, AC Input Range , Power Saver, Solar/Utility AC Priority
- Efficient up 3~5% than traditional power frequency inverter
- Visualized and detailed info of inverting
- RJ45 Remote control and RS232 network communication interface (optional)
- Excellent load capacity: MAX 3\*rated power.
- Pure sine wave output ,input & output fully isolation
- Supply power via hybrid power (grid power or diesel) compatibly
- Built-in relay and AC/DC breaker
- Advanced microprocessor control
- Input polarity/UVP/OVP/OSP/OLP/OTP
- Attractive appearance with V0 Fire-protection rated plastic materials

\*Note: The Specifications are subject to changes without notice.

**Specifications**

Item	Models	CPS12000-248	
AC Output	Output Power	12KW	
	Surge Power	36KW(≤2S)	
	Output Frequency	50/60Hz ±0.5%	
	Output Waveform	True sine wave (THD<3%)	
	P·F Allowed	COSθ-90°~COSθ+90°	
	Efficiency	90%	
DC Input	Input Voltage	48VDC	
	Voltage Range	40.0~62.0VDC/42.0~64.0VDC	
	Fault Indication	LED Red and Buzzer Alarm	
	Remote Control	RS-232/RJ45(Optional)	
AC Charger	AC Range	184-253VAC / 154-253VAC	
		100-135VAC / 90-135VAC	
	Fast Voltage	56.0~60.4V	
	Float Voltage	53.2-55.2V	
	Over charge Protection	62.8V for 48V	
	Charge Current	80A	
Bypass	Transfer Time	<8 ms	
	Input Volt. waveform	Utility AC or Generator (Sine wave)	
	Max bypass current	80A/40A	
Others	Working Humidity	20-90%RH	
	Safety and EMI	UL458	LVD (EN60950)
	Working temp.	-20~50℃	
	Storage Temp	-30~70℃	
	Cooling	Temperature controlled cooling fan	
	Size (mm)	650*505*210	
	Weight (kg)	77	

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