

**COTEK S1500W SERIES available in 12V, 24V or 48V
PWM Pure Sinewave**

1500W
12V, 24V or 48V

PWM High Frequency Pure Sinewave Inverter provides an economical way to get instant AC power anywhere and at anytime as long as a battery is handy.

The inverter converts a DC power source (e.g. from a car, truck, boat or standard battery; or solar panels) to 230 VAC power. The inverter range is specifically suitable for solar installations. High frequency PWM technology ensures a compact unit providing high reliability and performance.

The inverter has a robust design and is quiet and portable. It can therefore be operated in almost any environment. The unit has a high current start up capability, protected against short circuit, reverse polarity and over load. The unit also has automatic load sensing (important for solar applications).

Applications :

Lights, drills, general electrical tools, computerised instruments, medical equipment, emergency power, computers, TV sets, radios, satellite receivers, fans, small water pumps, etc.

- Pure sine wave output (THD< 3%).
- Low power saving mode to conserve energy
- RS232 interface / remote control port
- Built-in voltage and watt meters
- Load controlled cooling fan
- Advanced microprocessor
- Short Circuit / OverVoltage / UnderVoltage / OverTemperature / OverLoad protection
- Output Voltage / Frequency switch selectable



1500W sinewave inverter front



1500W sinewave inverter back

TECHNICAL SPECIFICATIONS

MODEL	S1500-212	S1500-224	S1500-248
Cont.Output Power	1500W		
Max. Output Power (3 min.)	1650W		
Surge Rating	2000W		
Input Voltage	12V	24V	48V
Output Voltage	230V ± 3% (standard stock voltage) Also available in 220, 240 & 110, 115, 120 V ± 3% (not available as standard stock item - can be ordered on special request)		
Output Current @ 220/230/240V	6.81A / 6.52A / 6.25A		
Output Frequency	50 / 60 Hz +/- 0.05%		
Peak Output Current @ 220/230/240V	9.09A / 8.69A / 8.33A		

Efficiency (peak load)	86%	88%	90%
Efficiency (max./avg.)	85%	88%	86%
Efficiency (full load)	86%	89%	90%
No Load Current Draw	< 1.5W saving mode		
Output Waveform	Sinewave < 3% THD		
Output Voltage Regulation	220 / 230 / 240V RMS - 10% / +4% depending on model ordered		
Input Voltage Range	10-16VDC	20-32VDC	42-62VDC
Max. DC Input Current	150A	75A	32.5A
Protection	Overload, short circuit, reverse polarity (fuse), over/under input voltage, over temperature		
Battery Level Indicator (LED Bar)	Red / Orange / Green LED		
Load Level Indicator (LED Bar)	Red / Orange / Green LED		
Failure Indicator	Red LED		
Power Saving Recovery Time	5 Second		
Interface Control Port	RS-232C with baud rate 1200, 2400, 4800 (switch selectable)		
Remote Control	CR-6 / CR-7 / CD-8 Optional (Optional)		
Operating Temperature Range	0 - 40 °C		
Storage Temp. Range	- 30 °C to 70 °C		
Cooling	Load controlled cooling fan (65 deg C On, 45 deg C Off)		
Dimensions	390 x 275 x 105 mm		
Weight	7.0 kgs		
Approvals	EMC : EN50081-1:1992 / EN50082-1:1992 EN55022B:1994 / EN61000-4-2:1995 EN6100-4-3:1996 / ENV50204:1995		
	e-Mark e13-020866		
Safety	EN60950		
Warranty	1 year		