


# PURE SINEWAVE INVERTERS

## COTEK 1500W & 2000W SERIES PWM Pure Sinewave 1500W & 2000W 12V, 24V or 48V

 PWM High Frequency Pure Sinewave Inverters 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 units also feature 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.

### □ Features :

- Pure sine wave output (THD < 3% )
- Input & output isolated design
- Capable of driving highly reactive & capacitive loads
- Low power saving mode to conserve energy
- RS232 interface / remote control port
- Built-in voltage and watt meters (1500W only)
- Thermostatically controlled cooling fan
- Advanced microprocessor design
- Short Circuit / OverVoltage / UnderVoltage /
- OverTemperature / OverLoad protection
- Output Frequency switch selectable



## TECHNICAL SPECIFICATIONS

MODEL	SK1500-212	SK1500-224	SK1500-248	SK2000-212	SK2000-224	SK2000-248
Cont.Output Power	1500W			2000W		
Max. Output Power (3 min.)	1725W			2300W		
Surge Rating	3000W			4000W		
Input Voltage	12V	24V	48V	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			9.09A / 8.69A / 8.33A		
Output Frequency	50 / 60 Hz +/- 0.05%					
Peak Output Current @ 220/230/240V	13.6A / 13.04 / 12.5			18.18A / 17.39A / 16.660.42A		
Efficiency (full load)	90%	93%	94%	91%	94%	95%
No Load Current Draw	1.40A	0.70A	0.40A	2.64A	1.32A	0.65A
Stand-by Current Draw	0.28A	0.15A	0.09A	0.60A	0.25A	0.15A
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	10.5-15VDC	21-30VDC	42-60VDC
Max. DC Input Current	150A	75A	40A	210A	105A	52A
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	415 x 191 x 88 mm			422 x 208 x 166 mm		
Weight	4.8 kgs			9 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	EN60950-1			EN60950-1		
Warranty	1 year					

We reserve the right to change specifications without prior notice