


# PURE SINEWAVE INVERTERS

## COTEK 3000W SERIES PWM Pure Sinewave 3000W 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	SK3000-212	SK3000-224	SK3000-248
Cont. Output Power	3000W		
Max. Output Power (3 min.)	3450W		
Surge Rating	6000W		
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 Frequency	50 / 60 Hz +/- 0.05%		
Output Waveform	Sinewave < 3% THD		
Efficiency (full load)	99%	93%	94%
No Load Current Draw	2.8A	1.5A	0.7A
Stand-by Current Draw	0.55A	0.35A	0.19A
Input Voltage Regulation	10.5-15VDC	21-30VDC	42-60VDC
Max. DC Input Current	312A	156A	78A
Input Level Indicator (LED Bar)	Red / Orange / Green LED		
Failure Indicator	Red LED		
Protection	Overload, short circuit, reverse polarity (fuse), over/under input voltage, over temperature		
Remote Control	CR-6 / CR-7 / CD-8 Optional (Optional)		
Safety	EN60950-1		
EMC	EN55022: 1997 en55024 : 1997 EN61000-3-2 : 1998 EN61000-3-3 : 1995 e-Mark		
Operating Temperature Range	0 - 40 °C		
Storage Temp. Range	- 30 °C to 70 °C		
Cooling	Load controlled cooling fan		
Dimensions	452 x 208 x 166 mm		
Weight	9.8 kgs		

We reserve the right to change specifications without prior notice