


# PURE SINEWAVE INVERTERS

## COTEK 700W & 1000W SERIES PWM Pure Sinewave 700W - 1000W 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.

### □ Features :

- Pure sine wave output (THD < 3% ).
- Output Frequency : 50/60Hz switch selectable
- Input & output fully isolated design
- High efficiency 88 - 93%
- Capable of driving highly reactive & capacitive loads
- Tri-Color indicators display input voltage, output load level and failure status
- Thermostatically controlled cooling fan
- Advanced microprocessor design
- Short Circuit / OverVoltage / UnderVoltage / OverTemperature / OverLoad protection



## TECHNICAL SPECIFICATIONS

MODEL	SK700-212	SK700-224	SK700-248	SK1000-212	SK1000-224	SK1000-248
Cont. Output Power	700W			1000W		
Max. Output Power (3 min.)	800W			1150W		
Surge Rating	1400W			2000W		
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	3.18A / 3.00A / 2.91 A			4.54A / 4.34A / 4.16A		
Output Frequency	50 / 60 Hz +/- 0.05%					
Peak Output Current @ 220/230/240V	6.36A / 6.08A / 5.83A			9.09A / 8.69A / 8.33A		
Efficiency (full load)	91%	93%	94%	91%	94%	95%
No Load Current Draw	1.20A	0.60A	0.28A	1.15A	0.65A	0.35A
Stand-by Current Draw	0.25A	0.15A	0.08A	0.25A	0.15A	0.09A
Output Waveform	Sinewave < 3% THD					
Output Voltage Regulation	220 / 230 / 240V RMS - 10% / +4% depending on model ordered					
Input Voltage Regulation	10.5-15VDC	21.0-30VDC	42.0-60VDC	10.6-15VDC	21.0-30VDC	42.0-60VDC
Max. DC Input Current	73A	37A	19A	105A	52A	26A
Protection	Overload, short circuit, reverse polarity (fuse), over/under input voltage, over temperature					
Remote Control	CR-6 / CR-7 / CR-8 (Optional)					
Battery level Indicator	Red / Orange / Green LED					
Load Level Indicator	Red / Orange / Green LED					
Failure Indicator	Red LED					
Power Saving Recovery Time	5 Seconds					
Operating Temp. Range	0 - 40 °C					
Storage Temp. Range	- 30 °C to 70 °C					
Cooling	Load controlled cooling fan					
Dimensions	295 x 180 x 72 mm			383 x 182 x 88 mm		
Weight	2.7 kgs			4.0 kgs		
Approvals	EMC : EN50081-1:1992 / EN50082-1:1992 EN55022B:1994 / EN61000-4-2:1995 EN6100-4-3:1996 / ENV50204:1995					
Safety	EN60950			EN60950		
Warranty	1 year					

We reserve the right to change specifications without prior notice