


# PURE SINEWAVE INVERTERS

## COTEK 600W SERIES PWM Pure Sinewave 600W 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	S600-212	S600-224	S600-248
Cont. Output Power	600W		
Max. Output Power (3 min.)	680W		
Surge Rating	800W		
Input Voltage	12V	24V	48V
Output Voltage	230V $\pm$ 3% (standard stock voltage) Also available in 220, 240 & 110, 115, 120 V $\pm$ 3% (not available as standard stock item - can be ordered on special request)		
Output Current @ 220/230/240V	2.72A / 2.60A / 2.50A		
Output Frequency	50 / 60 Hz +/- 0.05%		
Peak Output Current @ 220/230/240V	3.63A / 3.47A / 3.33A		
Efficiency (peak load)	89%	90%	91%
Efficiency (max./avg.)	88%	90%	91%
Efficiency (full load)	89%	91%	92%
No Load Current Draw	0.83A	0.43A	0.22A
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	40-56VDC
Max. DC Input Current	60A	30A	15A
Protection	Overload, short circuit, reverse polarity (fuse), over/under input voltage, over temperature		
Remote Control	Yes, On/Off controlled by external switch		
Battery Level Indicator	Red / Orange / Green LED		
Load Level Indicator	Red / Orange / Green LED		
Failure Indicator	Red LED		
Power Saving Recovery Time	5 Second		
Operating Temperature Range	0 - 40 °C		
Storage Temp. Range	- 30 °C to 70 °C		
Cooling	Load controlled cooling fan		
Dimensions	295 x 180 x 72 mm		
Weight	2.7 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		

We reserve the right to change specifications without prior notice