


# PURE SINEWAVE INVERTERS

## COTEK 150W & 300W SERIES High Frequency PWM Pure Sinewave 150W & 300W 12V or 24V

 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 < 4% ).
- Input & output fully isolated design
- Capable of driving highly reactive & capacitive loads
- Tri-Color indicators display input voltage, output load level and failure status
- Loading controlled cooling fan
- Advanced microprocessor design
- Short Circuit / OverVoltage / UnderVoltage / OverTemperature / OverLoad protection



## TECHNICAL SPECIFICATIONS

MODEL	S150-212	S150-224	S300-212	S300-224
Cont.Output Power	150W	150W	300W	300W
Surge Rating	200W	200W	400W	400W
Input Voltage	12V	24V	12V	24V
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	0.68A / 0.65A / 0.62A		1.36A / 1.30A / 1.25A	
Peak Output Current @ 220/230/240V	0.90A / 0.83A / 0.84A		1.81A / 1.73A / 1.66A	
Output Frequency	50 / 60 Hz $\pm$ 0.05%			
Efficiency (full load)	87%	88%	89%	89%
No Load Current Draw	0.22A	0.16A	0.26A	0.28A
Output Waveform	Sinewave < 5% THD			
Power Factor Allowed	Cosinus -90deg ~ Cosinus +90deg			
Output Voltage Regulation	220 / 230 / 240V RMS - 10% / +4% depending on model ordered			
Input Voltage Range	10.5-15VDC	21-30VDC	10.5-15VDC	21-30VDC
Max. DC Input Current	15A	7.5A	30A	15A
Protection	Overload, short circuit, reverse polarity (fuse), over/under input voltage, over temperature			
Remote Control	Yes, On/Off controlled by external switch			
Power Saving Recovery Time	5 Second			
Operating Temperature Range	0 - 40 °C			
Storage Temp. Range	- 30 °C to 70 °C			
Cooling	Thermostatically controlled			
Dimensions	200 x 132 x 72 mm		237 x 155 x 72 mm	
Weight	2.7 kgs		3.5 kgs	
EMC	EN55022 : 1997 / EN6100-3-2 : 1998 EN61000-3-3 : 1995 / EN55024 : 2001			
	e-Mark e13-022025		e-Mark e13-022028	
Safety	EN60950			
Warranty	1 year			

We reserve the right to change specifications without prior notice