


# PURE SINEWAVE INVERTERS

## COTEK 200W & 350W SERIES PWM Pure Sinewave 200W - 350W 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	SK200-212	SK200-224	SK200-248	SK350-212	SK350-224	SK350-248
Cont.Output Power	200W	200W	200W	350W	350W	350W
Max.Output Power (3 min)	230W	230W	230W	400W	400W	400W
Surge Rating	400W	400W	400W	700W	400W	700W
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 Frequency	50 / 60 Hz +/- 0.05%					
Efficiency (full load)	90%	93%	94%	86%	89%	90%
Output Waveform	Sinewave < 5% THD					
Input Voltage Range	10.5-15VDC	21-30VDC	42-60VDC	10.5-15VDC	21-30VDC	42-60VDC
Input level indicator Load level indicator	Red / Orange / Green LED					
Failure indicator	Red LED					
Protection	Overload (then shutdown), short circuit (shutdown),reverse polarity (fuse), over/under input voltage (alarm and shutdown then auto recover), over temperature (alarm then shutdown then auto recover)					
Operating Temperature Range	0 - 40 °C					
Storage Temp. Range	- 30 °C to 70 °C					
Cooling	Fan (controlled by load and temperature)					
Dimensions	185 x 147 x 60 mm					
Weight	2.7 kgs			3.5 kgs		
Weight	1.2 kgs			1.2 kgs		
EMC	Meet EN55022:1997 Meet EN61000-3-2:1998 Meet EN61000-3-3:1995 Meet EN55024:2001	Meet e-merk e13		Meet EN55022:1997 Meet EN61000-3-2:1998 Meet EN61000-3-3:1995 Meet EN55024:2001	Meet e-merk e13	
Safety	EN60950-1					
Warranty	1 year					

We reserve the right to change specifications without prior notice