



High Frequency PWM Sinewave Inverter

COTEK 1000 Watt

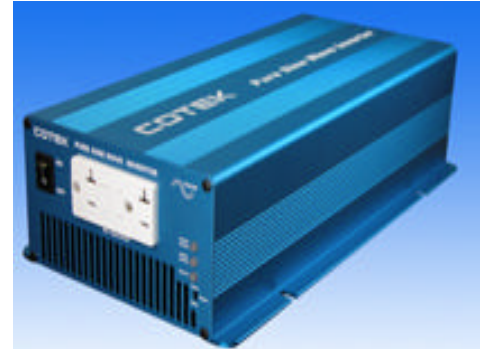
The **COTEK 1000** is a PWM High Frequency Sinewave Inverter of the most advanced line of mobile AC power systems available. It provides instant clean AC power anywhere and at anytime as long as a battery is at hand. DC power from sources such as car, truck, boat, standby battery or solar modules is converted into pure sinusoidal 230 Vac / 50Hz mains power. State of the art technology ensures high reliability and excellent performance. The COTEK 1000 is especially suitable for solar applications.

Features:

Microprocessor based design, accurate and stable frequency, very low harmonic distortion, rugged, compact and lightweight, high efficiency, quiet running, capable of driving highly reactive loads such as electronic tools and appliances. Other features include high current start up capability, protection against short circuit, reverse polarity, over load, under/over DC input voltage, and automatic load sensing, which is especially important for solar applications.

Typical Applications:

Lighting, power tools with speed control, general electrical tools, laboratory equipment, electronic instruments, medical equipment, emergency power equipment, computers, laser printers, TV sets, radios, satellite receivers, fans, small water pumps, etc.



TECHNICAL SPECIFICATIONS

MODEL	S1000-112	S1000-124	S1000-148	APLS-CTK-1000-12	APLS-CTK-1000-24	APLS-CTK-1000-48
Continuous Output Power	1000W	1000W	1000W	1000W	1000W	1000W
Max. Output Power (3 min)	1150W	1150W	1150W	1150W	1150W	1150W
Surge Rating	1300W	1300W	1300W	1300W	1300W	1300W
Input Voltage	12V	24V	48V	12V	24V	48V
Output Voltage	110 / 115 / 120 ± 3%			220 / 230 / 240 ± 3%		
Frequency (selectable)	50 / 60 Hz +/- 0.05%			50 / 60 Hz +/- 0.05%		
Efficiency (full load)	89%	92%	93%	91%	94%	95%
No Load Current	1.2A	0.6A	0.3A	1.2A	0.6A	0.28A
Output Waveform	Pure Sinewave < 3% THD					
Output Voltage Regulation	110 / 115 / 120Vrms - 10% / +4%			220 / 230 / 240Vrms - 10% / +4%		
Input Voltage Range	10.5 - 15Vdc	21.0 - 30Vdc	42.0 - 62Vdc	10.5 - 15Vdc	21.0 - 30Vdc	42.0 - 62Vdc
Protection	Overload, Short Circuit, Reverse Polarity (Fuse), Over / Under Input Voltage, Over Temperature					
Input Level Indication	LED: Red / Orange / Green					
Load Level Indication	LED: Red					
Failure Indication	CR-6 (optional)					
Remote Control	0 - 40 °C					
Operating Temp. Range	- 30 °C to 70 °C					
Storage Temp. Range	Cooling Fan (thermostatically controlled)					
Cooling	FCC Class B			EN50081-1:1992, EN50082-1:1992, EN55022B:1994, EN61000-4-2:1995, EN61000-4-3:1996, EBV50204:1995		
Compliance (EMC)	UL 458 (pending)			EN60950 (pending)		
Safety	L = 383 x W = 182 x H = 89 mm					
Dimensions	4.0 kg					
Weight						

The manufacturer reserves the right to change specifications without prior notice.