

True Sine Wave DC to AC Power Inverter - SK Series

Inverter Expert **SK1000-1000W**



Features:

- True sine wave output (THD < 2%) ◀
- Power ON-OFF remote control ◀
- Input & output fully isolation ◀
- Load control cooling fan ◀
- Advanced microprocessor ◀
- Output frequency 50/60Hz switch selectable ◀
- Input polarity reverse/under voltage/over voltage protections ◀
- Output short circuit/overload/over temperature protections ◀
- Tri-color indicators display output load level & failure status. ◀
- CE, ROHS, E-mark approved ◀

AC Output Receptacles (optional)



SPECIFICATION:

MODEL	SK1000-121	SK1000-241	SK1000-481	SK1000-122	SK1000-242	SK1000-482
AC VOLTAGE	100/110/120VAC			220/230/240VAC		
RATED POWER	1000W					
SURGE POWER	3000W (for few seconds)					
WAVEFORM	True Sine Wave (THD < 2%)					
FREQUENCY	50/60Hz ± 0.5Hz selectable by DIP switch					
AC REGULATION	± 5%					
STANDARD RECEPTACLES	A, B, C, D, E, F, G, H, I, GFCI (optional above)					
USB OUTPUT PORT	5V 1A					
LED INDICATOR	A: Output load level: < 20% - off, between 20% and 50% - green, < 90% - orange, > 90% - red; B: Power on - green, protection/failure - red					
SLEEPING MODE SETTING (DIP SWITCH)	S4 - frequency 50/60Hz, S3 - 15% output load, S2 - 10% output load, S1 - 5% load setting					
NO LOAD CURRENT DRAW	< 0.6A	< 0.5A	< 0.25A	< 0.6A	< 0.5A	< 0.25A
DC VOLTAGE	12V	24V	48V	12V	24V	48V
VOLTAGE RANGE	10.5~15.0VDC	21.0~30.0VDC	42.0~60.0VDC	10.5~15.0VDC	21.0~30.0VDC	42.0~60.0VDC
EFFICIENCY (Typ.)	≥ 89.0%	≥ 90.0%	≥ 90.0%	≥ 89.0%	≥ 90.0%	≥ 90.0%
FUSE	30A*4	15A*4	7.5A*4	30A*4	15A*4	7.5A*4
REMOTE CONTROL	RC60 (optional)					
BAT. LOW ALARM	11.0 ± 0.25V DC	22.0 ± 0.5V DC	44.0 ± 1.0V DC	11.0 ± 0.25V DC	22.0 ± 0.5V DC	44.0 ± 1.0V DC
BAT. LOW SHUTDOWN	10.5 ± 0.25V DC	21.0 ± 0.5V DC	42.0 ± 1.0V DC	10.5 ± 0.25V DC	21.0 ± 0.5V DC	42.0 ± 1.0V DC
OVERLOAD	Shutdown					
OVER VOLTAGE	15.5 ± 0.5V DC	31.0 ± 1.0V DC	62.0 ± 2.0V DC	15.5 ± 0.5V DC	31.0 ± 1V DC	62.0 ± 2.0V DC
OVER TEMPERATURE	Shut-off output voltage, recover automatically after temperature goes down					
SHORT CIRCUIT	Shut-off output voltage, restart to recover					
BAT. REVERSE POLARITY	By fuse open					
EARTH LEAKAGE	Yes					
RESET VOLTAGE AFTER LVS	11.8~12.8V DC	23.6~25.6V DC	47.2~51.2V DC	11.8~12.8V DC	23.6~25.6V DC	47.2~51.2V DC
WORKING TEMP.	0-40°C					
WORKING HUMIDITY	20%-90% RH non-condensing					
STORAGE TEMP. & HUMIDITY	-30°C - 70°C 22° F - 185° F, 10-95%					
SAFETY STANDARDS	UL458 (only for GFCI receptacle)					
ISOLATION RESISTANCE	I/P-O/P: 1000 Ohms/500VDC					
EMC	Compliance to EN61000-6-3:2007+A1:2011, EN 6100-6-1:2007					
LVD	Compliance to EN60950-1: 2006+A11:2009 + A1:2010+A12:2011					
E-MARK	Compliance to E8 10R-05 1512					
DIMENSION (W*H*D)	317*186*90mm					
PACKING	3.2Kgs, 4pcs/13.8Kgs/Ctn (42.5*38*27cm)					
COOLING FAN	Control by load					
APPLICATION	Home and office appliances, Power tools and portable equipments, Vehicle and solar power systemsetc.					

INSTALLATION



- High Efficiency Turbo Cooling fan
- Universal Protection Circuit
- Compact Design
- L.I.T Low Interference Technology
- New Energy Solution
- Mobile AC Source
- 100% true sine wave output, better than public power.