



1000W Modified Sine Wave DC-AC Power Inverter **A301/302-1K0 series**



■ Features :

- 12V or 24V DC input
- Power ON-OFF switch
- Input voltage range: -15% ~ +25%
- Output voltage regulation: ±10%
- Protections: Bat. Low alarm/Bat. Low shutdown/Over voltage/Over temp./Output short/Input polarity reverse/Over load.
- Output waveform: Modified sine wave
- Cooling fan ON-OFF control
- ON/OFF remote control(Optional)
- Approvals: E13/ EAC / CE / UKCA
- 1 year warranty



SPECIFICATION

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ORDER NO.		A301-1K0-B2		A301-1K0-F3		A302-1K0-B2		A302-1K0-F3		
OUTPUT	SAFETY MODEL NO.		A301-1K0				A302-1K0			
	AC VOLTAGE		110V		230V		110V		230V	
	RATED POWER		1000W							
	PEAK POWER		1200W<30min.							
	SURGE POWER		2400W							
	WAVEFORM		Modified Sine Wave							
	FREQUENCY		60Hz±1%		50Hz±1%		60Hz±1%		50Hz±1%	
	AC REGULATION		±10%				±10%			
	STANDARD RECEPTACLES		TYPE-2* 3ea		TYPE-3* 2ea		TYPE-2* 3ea		TYPE-3* 2ea	
LED INDICATOR		Green LED for power on; Yellow LED for O.T.P.; Red LED for power failure status								
INPUT	DC CURRENT		110A				55A			
	NO LOAD CURRENT DRAW		0.4A				0.2A			
	DC VOLTAGE		12V				24V			
	VOLTAGE RANGE		10 ~ 15VDC				21 ~ 30VDC			
	EFFICIENCY (Typ.)		82%				85%			
	DC CONNECTOR		1000mm R type terminal				1000mm R type terminal			
	FUSE		30A*5				20A*5			
PROTECTION	BAT. LOW ALARM		10±0.5V				21±0.8V			
	BAT. LOW SHUTDOWN		9.5±0.5V				20±0.8V			
	OVER LOAD		>1200W shut down o/p voltage, re-power to recover							
	OVER VOLTAGE		15 ~ 16V				29 ~ 31V			
	OVER TEMPERATURE		60±5℃ / 140±9°F							
	OUTPUT SHORT		Shut-off							
	BAT. POLARITY		By fuse open							
ENVIRONMENT	WORKING TEMP.		0 ~ 30℃ @ 100% load, 40℃ @ 70% load							
	WORKING HUMIDITY		20% ~ 90% RH non-condensing							
	STORAGE TEMP., HUMIDITY		-30 ~ +70℃ / -22 ~ +158°F, 10 ~ 95% RH							
	TEMP. COEFFICIENT		±0.05% / °C (0 ~ 50℃)							
SAFETY & EMC	SAFETY STANDARDS		EAC TP TC 004 approved							
	ISOLATION RESISTANCE		I/P-O/P:100M Ohms / 500VDC / 25℃ / 70% RH							
	EMI RADIATION		Compliance to BS EN/EN55014-1, EAC TP TC 020							
	EMS IMMUNITY		Compliance to BS EN/EN55014-2, IEC61000-4-2,3, EAC TP TC 020							
	LVD		Compliance to BS EN/EN62368-1							
OTHERS	MTBF		98Khrs min. MIL-HDBK-217F (25℃)							
	DIMENSION		310*210*85mm (L*W*H)							
	PACKING		3.3kg ; 4pcs / 17.5kg / CARTON							
	COOLING		>40℃ (NTC) fan on							
APPLICATIONS		Home appliance, Power tools, Office and Portable equipment and Vehicle ...etc.								

■ AC Output Receptacles (optional)

TYPE-1	TYPE-2	TYPE-3	TYPE-4	TYPE-5	TYPE-6
JAPAN	USA	EUROPE	UNIVERSAL	AUSTRALIA	U.K

Mechanical Specification

Unit:mm

