



# 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
- 1 year warranty



### SPECIFICATION

ORDER NO.	A301-1K0-B2	A301-1K0-F3	A302-1K0-B2	A302-1K0-F3	
OUTPUT	SAFETY MODEL NO.		A301-1K0		
	AC VOLTAGE		110V	230V	
	RATED POWER		1000W		
	PEAK POWER		1200W<30min.		
	SURGE POWER		2400W		
	WAVEFORM		Modified Sine Wave		
	FREQUENCY		60Hz±1%	50Hz±1%	50Hz±1%
	AC REGULATION		±10%		
	STANDARD RECEPTACLES		TYPE-2* 3ea	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		
	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°C / 140±9°F		
	OUTPUT SHORT		Shut-off		
BAT. POLARITY		By fuse open			
ENVIRONMENT	WORKING TEMP.		0 ~ 30°C @ 100% load, 40°C @ 70% load		
	WORKING HUMIDITY		20% ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY		-30 ~ +70°C / -22 ~ +158°F, 10 ~ 95% RH		
	TEMP. COEFFICIENT		±0.05% / °C (0 ~ 50°C)		
SAFETY & EMC	SAFETY STANDARDS		EAC TP TC 004 approved		
	ISOLATION RESISTANCE		I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH		
	EMI RADIATION		Compliance to EN55014-1, EAC TP TC 020		
	EMS IMMUNITY		Compliance to EN55014-2, IEC61000-4-2,3, EAC TP TC 020		
LVD		Compliance to EN60950-1			
OTHERS	MTBF		98Khrs min. MIL-HDBK-217F (25°C)		
	DIMENSION		310*210*85mm (L*W*H)		
	PACKING		3.3kg ; 4pcs / 17.5kg / CARTON		
	COOLING		>40°C (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

