



1000W Modified Sine Wave DC-AC Power Inverter **A-301/302-1K0** series



■ Features :

- 12V or 24V DC input
- Power ON-OFF switch
- Input voltage range: -15% ~ +25%
- Output voltage regulation: $\pm 10\%$
- 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/ CE



SPECIFICATION

ORDER NO.	A301-1K0-B2	A301-1K0-F3	A302-1K0-B2	A302-1K0-F3
OUTPUT	SAFETY MODEL NO.	A-1000W		
	AC VOLTAGE	110V	230V	110V 230V
	RATED POWER	1000W		
	PEAK POWER	1200W<30min.		
	SURGE POWER	2400W		
	WAVEFORM	Modified Sine Wave		
	FREQUENCY	60Hz $\pm 1\%$	50Hz $\pm 1\%$	60Hz $\pm 1\%$ 50Hz $\pm 1\%$
	AC REGULATION	$\pm 10\%$		
	STANDARD RECEPTACLES	TYPE-2* 3ea	TYPE-3* 2ea	TYPE-2* 3ea TYPE-3* 2ea
INPUT	LED INDICATOR	Green LED for power on; Yellow LED for O.T.P.; Red LED for power failure status		
	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	
PROTECTION	FUSE	30A*5	20A*5	
	BAT. LOW ALARM	10 ± 0.5 V	21 ± 0.8 V	
	BAT. LOW SHUTDOWN	9.5 ± 0.5 V	20 ± 0.8 V	
	OVER LOAD	>1200W shut down o/p voltage, re-power to recover		
	OVER VOLTAGE	15 ~ 16V	29 ~ 31V	
	OVER TEMPERATURE	60 $\pm 5^{\circ}\text{C}$ / 140 $\pm 9^{\circ}\text{F}$		
	OUTPUT SHORT	Shut-off		
ENVIRONMENT	BAT. POLARITY	By fuse open		
	WORKING TEMP.	0 ~ 30 $^{\circ}\text{C}$ @ 100% load, 40 $^{\circ}\text{C}$ @ 70% load		
	WORKING HUMIDITY	20% ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-30 ~ +70 $^{\circ}\text{C}$ / -22 ~ +158 $^{\circ}\text{F}$, 10 ~ 95% RH		
	TEMP. COEFFICIENT	$\pm 0.05\%$ / $^{\circ}\text{C}$ (0 ~ 50 $^{\circ}\text{C}$)		
SAFETY & EMC	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25 $^{\circ}\text{C}$ / 70% RH		
	EMI CONDUCTION & RADIATION	Compliance to EN55022 class B, 72/ 245/ CEE, 95/ 54/ CE		
	EMS IMMUNITY	Compliance to EN61000-4-2,3		
	LVD	Compliance to EN60950		
OTHERS	MTBF	98Khrs min. MIL-HDBK-217F (25 $^{\circ}\text{C}$)		
	DIMENSION	310*210*85mm (L*W*H)		
	PACKING	3.3kg ; 4pcs / 17.5kg / CARTON		
	COOLING	>40 $^{\circ}\text{C}$ (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

