



2500W Modified Sine Wave DC-AC Power Inverter

A301/302-2K5 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/ EAC / CE / UKCA
- 1 year warranty



SPECIFICATION

ORDER NO.	A301-2K5-B4	A301-2K5-F3	A302-2K5-B4	A302-2K5-F3
OUTPUT	SAFETY MODEL NO. A301-2K5		A302-2K5	
	AC VOLTAGE	110V	230V	110V
	RATED POWER	2500W		230V
	SURGE POWER	5000W		
	WAVEFORM	Modified Sine Wave		
	FREQUENCY	60Hz $\pm 1\%$	50Hz $\pm 1\%$	60Hz $\pm 1\%$
	AC REGULATION	$\pm 10\%$	$\pm 10\%$	50Hz $\pm 1\%$
	STANDARD RECEPTACLES	TYPE-2* 2ea	TYPE-2* 2ea	TYPE-3* 2ea
INPUT	LED INDICATOR	Green LED for power on; Yellow LED for O.T.P.; Red LED for O.L.P.; Battery V/A meter		
	DC CURRENT	250A		130A
	NO LOAD CURRENT DRAW	0.9A		0.6A
	DC VOLTAGE	12V		24V
	VOLTAGE RANGE	10 ~ 15VDC		21 ~ 30VDC
	EFFICIENCY (Typ.)	82%		85%
	DC CONNECTOR	None		None
	FUSE	30A*12		15A*12
PROTECTION	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	>2700W shut down o/p voltage, re-power to recover		
	OVER VOLTAGE	15 ~ 17V		30 ~ 32V
	OVER TEMPERATURE	60 $\pm 5^{\circ}\text{C}$ / 140 $\pm 9^{\circ}\text{F}$		
	OUTPUT SHORT	Shut-off		
	BAT. POLARITY	By fuse open		
ENVIRONMENT	WORKING TEMP.	0 ~ +25 $^{\circ}\text{C}$ @100% 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	SAFETY STANDARDS	EAC TP TC 004 approved		
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25 $^{\circ}\text{C}$ / 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	37Khrs min. MIL-HDBK-217F (25 $^{\circ}\text{C}$)		
	DIMENSION	430*210*159mm (L*W*H)		
	PACKING	8.7kg ; 2pcs / 19kg / 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

