



300W Modified Sine Wave DC-AC Power Inverter

A-301/302-300 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
- Topology: Microprocessor
- Approvals: e13/ CE
- 1 year warranty



SPECIFICATION

ORDER NO.	A301-300-B2	A301-300-F3	A302-300-B2	A302-300-F3
OUTPUT	SAFETY MODEL NO. A-300-300W			
	AC VOLTAGE	110V	230V	110V
	RATED POWER	300W		230V
	SURGE POWER	600W		
	WAVEFORM	Modified Sine Wave		
	FREQUENCY	60Hz $\pm 1\%$	50Hz $\pm 1\%$	60Hz $\pm 1\%$
	AC REGULATION	$\pm 10\%$		50Hz $\pm 1\%$
	STANDARD RECEPTACLES	TYPE-2* 2ea	TYPE-3* 1ea	TYPE-2* 2ea
INPUT	LED INDICATOR	Green LED for power on; Red LED for power failure status		
	DC CURRENT	35A		15A
	NO LOAD CURRENT DRAW	0.36A		0.2A
	DC VOLTAGE	12V		24V
	VOLTAGE RANGE	10 ~ 15VDC		21 ~ 30VDC
	EFFICIENCY (Typ.)	82%		85%
	DC CONNECTOR	Cigarette plug*1ea, Battery clip*1ea		Cigarette plug*1ea, Battery clip*1ea
	FUSE	Battery cord 35 A * 1, Cigarette plug 15 A * 1		Battery cord 20 A * 1, Cigarette plug 10 A * 1
PROTECTION	BAT. LOW ALARM	10 ± 0.5 V		20 ± 0.8 V
	BAT. LOW SHUTDOWN	9.5 ± 0.5 V		19.5 ± 0.8 V
	OVER VOLTAGE	15 ~ 17V		30 ~ 32V
	OVER TEMPERATURE	45 $\pm 5^{\circ}\text{C}$ / 113 $\pm 9^{\circ}\text{F}$		
	OUTPUT SHORT	Shut-off		
	BAT. POLARITY	By fuse open		
ENVIRONMENT	WORKING TEMP.	0 ~ 30 $^{\circ}\text{C}$ @ 100% load, 40 $^{\circ}\text{C}$ @ 50% 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	200Khrs min. MIL-HDBK-217F (25 $^{\circ}\text{C}$)		
	DIMENSION	165*88*74mm (L*W*H)		
	PACKING	1.1kg ; 16pcs / 19kg / CARTON		
	COOLING	>100W or >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

