



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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: ±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	230V
	RATED POWER	300W			
	SURGE POWER	600W			
	WAVEFORM	Modified Sine Wave			
	FREQUENCY	60Hz±1%	50Hz±1%	60Hz±1%	50Hz±1%
	AC REGULATION	±10%			
	STANDARD RECEPTACLES	TYPE-2* 2ea	TYPE-3* 1ea	TYPE-2* 2ea	TYPE-3* 1ea
LED INDICATOR	Green LED for power on; Red LED for power failure status				
INPUT	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±0.5V		20±0.8V	
	BAT. LOW SHUTDOWN	9.5±0.5V		19.5±0.8V	
	OVER VOLTAGE	15 ~ 17V		30 ~ 32V	
	OVER TEMPERATURE	45±5°C / 113±9°F			
	OUTPUT SHORT	Shut-off			
	BAT. POLARITY	By fuse open			
ENVIRONMENT	WORKING TEMP.	0 ~ 30°C @ 100% load, 40°C @ 50% 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	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°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			
OTHERS	LVD	Compliance to EN60950			
	MTBF	200Khrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	165*88*74mm (L*W*H)			
	PACKING	1.1kg ; 16pcs / 19kg / CARTON			
	COOLING	>100W or >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



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Mechanical Specification

Unit:mm

