



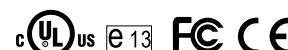
## 300W True Sine Wave DC-AC Power Inverter

# S300 series



### Features :

- True sine wave output (THD<5%)
- Power ON-OFF switch
- Power ON-OFF remote control
- Input voltage range: -15% ~ +25%
- Output voltage regulation:±5%
- Thermo control cooling fan
- Two-color indicators display power and fault status
- Protections: Bat. Low alarm/Bat. Low shutdown/Over voltage/Over temp./Output short/Input polarity reverse/Over load.
- Topology: Microprocessor
- Approvals: UL / e13 / FCC / CE
- 2 years warranty



### SPECIFICATION

ORDER NO.	S300-112B2	S300-124B2	S300-212F3	S300-224F3
OUTPUT	SAFETY MODEL NO.	S300-112	S300-124	S300-212
	AC VOLTAGE	110V	230V	
	RATED POWER	300W		
	SURGE POWER	400W		
	WAVEFORM	True sine wave (THD<6%)		
	FREQUENCY	60Hz±0.3%	50Hz±0.3%	
	AC REGULATION	±5%	±5%	
	STANDARD RECEPTACLES	TYPE-2* 2ea	TYPE-3* 1ea	
INPUT	LED INDICATOR	Power and fault status		
	DC CURRENT	35A	20A	35A
	NO LOAD CURRENT DRAW	0.24A	0.28A	0.26A
	DC VOLTAGE	12V	24V	12V
	VOLTAGE RANGE	10.5 ~ 15VDC	21.0 ~ 30VDC	10.5 ~ 15VDC
	EFFICIENCY (Min.)	72%	78%	72%
	DC CONNECTOR	600mm Battery clip*1		
PROTECTION	FUSE	40A*1	25A*1	40A*1
	BAT. LOW SHUTDOWN	10±0.5V	20±1V	10±0.5V
	OVERLOAD	>350W, shut down o/p voltage, re-power on to recover		
	OVER VOLTAGE	15 ~ 16V	30 ~ 32V	15 ~ 16V
	OVER TEMPERATURE	Yes, shut off o/p voltage, recover automatically after temperature goes down		
	OUTPUT SHORT	Shut-off o/p voltage, re-power on to recover		
ENVIRONMENT	BAT. POLARITY	By fuse open		
	WORKING TEMP.	0 ~ 40℃		
	WORKING HUMIDITY	20% ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-30 ~ +70℃ / -22 ~ +158°F, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.05% / °C (0~50℃)		
SAFETY & EMC	SAFETY STANDARDS	UL458(Only for "GFCI" receptacles)		-----
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25℃ / 70% RH		
	EMI CONDUCTION&RADIATION	Compliance to FCC class B		Compliance to EN55022 class B, 72/ 245/ CEE, 95/ 54/ CE
	EMS IMMUNITY	-----		Compliance to EN61000-4-2,3, ENV50204
	LVD	-----		Compliance to EN60950
OTHERS	DIMENSION	237*155*72mm (L*W*H)		
	PACKING	3.5kg ; 4pcs / 17kg / CARTON		
	COOLING	>40℃ (NT1) FAN ON		
	APPLICATIONS	Home appliance, Power tools, Office and Portable equipment, Vehicle and Yacht ...etc.		

### AC Output Receptacles (optional)

TYPE-2	TYPE-3	TYPE-4	TYPE-5	TYPE-6	TYPE-7
USA	EUROPE	UNIVERSAL	AUSTRALIA	U.K	GFCI

■ Mechanical Specification

Unit:mm

