

# INVERTER DC-AC

Modified Sine Wave Inverter DC-AC

MODEL : LG-TP300W

lega

## DESCRIPTION

- Corrected sine wave
- Peak power up to 1000W
- Protection of various types: input high/low voltage protection, output short-circuit protection, over-load protection, Over temperature protection, etc.
- Applications: home appliances, power tools, office and portable equipment, vehicles and yachts, etc.
- 1 year warranty



MODEL	LG-TM300W	
Rated power	300W	500W
AC voltage	230Vac	
Frequency	50Hz	
Resistive Load Continuous Power Output	300W	500W
Continuous output power of capacitive load	120± 20W PF: 0.425 (three-colour energy-saving lamps, exceeding may protect, but will not cause damage to the inverter)	
Rated power	Modified sine wave	
Battery Voltage	12Vdc	24Vdc
voltage range	9.5V~16Vdc	20~31Vdc
direct current	23.89A (300W resistive load, at 12Vdc input)	23A (300W resistive load, at 12Vdc input)
No-load loss	≤0.4A (input 12Vdc)	≤0.3A (input 12Vdc)
Off Mode Quiescent Current	≤50mA	
Fan operating mode	Temperature control mode: PCB temperature 50 ± 5°C fan turn, down to 45 ± 5°C fan stops	
Maximum conversion efficiency	93%	
fuse wire	40A*2	
Reverse connection protection	No damage to the inverter when the input is reversed.	
Battery Low-Voltage Protection	9.5Vdc Red indicator on, peak buzzer alarms	20Vdc Red indicator on, peak buzzer alarms
Battery Low Voltage Protection Recovery	12Vdc Green indicator on	24Vdc Green indicator on
Battery High Voltage Protection	15.5Vdc Red indicator on, peak buzzer alarms	31Vdc Red indicator on, peak buzzer alarms
Battery High Voltage Protection Restoration	15VdcGreen indicator on	30Vdc Green indicator on

High-temperature protection	LED indicator lights red, shutting down the inverter output	
High temperature protection restoration	Automatic recovery of inverter output when temperature drops	
Output short circuit	Turn off the inverter output and lock, the indicator light is red, the peak buzzer alarm, need to remove the short circuit to reboot to restore the output	
overloaded	Load 350W output voltage reduced to 200V,continue to increase power to 350W output voltage reduced to 180V, continue to increase power to 350W trigger overload protection	Load 600W output voltage reduced to 200V,continue to increase power to 600W output voltage reduced to 180V, continue to increase power to 600W trigger overload protection
	Turn off the inverter output and lock, the indicator light is red, need to reduce the load and reboot to restore the output	
operating temperatures	0~40°C	
Operating humidity	20~90%RH	
Storage temperature and humidity	-20°C ~ 60°C,10~95%RH	
Weight	G W: 0.55 Kg N W: g	
Size	196*106*58 mm(L*W*H)	
Package	mm(L*W*H)	
Mark	All specifications are measured at a conventional voltage of 12/24 Vdc and an ambient temperature of 25° C. The measurement is carried out at the same time.	

## POWER STATION BOARD

