

# Pure Sine Wave Inverter 300W - US

## GP series



REVERSE POLARITY  
PROTECTION



OVERLOAD  
PROTECTION



OVER TEMPERATURE  
PROTECTION



LOW/OVER VOLTAGE  
PROTECTION



SHORT CIRCUIT  
PROTECTION

## INTRODUCTION

GP series pure sine wave inverter is developed for off-grid solar power systems and it can also be used in cars, vessels, during camping and in power failure emergencies. It is an advanced tool of power conversion. It can supply you with AC power converted from a DC power source. GP series pure sine wave inverter is a stable power source with low harmonic distortion to ensure the widest use of applications.

## FUNCTIONAL CHARACTERISTICS

- Convert 12/24V DC power to 110V AC pure sine wave power
- Output type and socket: optional
- Over load protection
- Over voltage protection
- Low voltage protection
- Short circuit protection
- Over temperature protection
- Reverse polarity protection
- Excellent heat radiation structure with aluminum shell
- With USB port output
- With LED indicator
- With on/off switch

## TECHNICAL SPECIFICATIONS - US

Model		GP300-12-110	GP300-24-110
Output	Rated Power	300W	
	Surge Power	600W	
	AC Voltage	110V	
	AC Voltage Range	100 - 120V	
	Waveform	Pure sine wave	
	Frequency	60Hz ± 3Hz	
	USB Port	5V 1A	
	LED Indicator	Green for power on ; Red for power failure / protection	
	Efficiency	90 - 94%	
Input	DC Voltage	12V	24V
	DC Voltage Range	10 - 15.5V	20 - 31V
	No Load Current	0.6A	0.3A
Protection	Low Voltage Alarm	10.5 ± 0.5V	21 ± 0.5V
	Low Voltage Shut Down	10 ± 0.5V	20 ± 0.5V
	Low Voltage Recovery	11 - 12V	23 - 24V
	Over Voltage Shut Down	15.5 ± 0.5V	31 ± 0.5V
	Over Voltage Recovery	14.3 - 15.3V	28.5 - 29.5V
	Soft Start	Yes	
Others	Working Temperature	-10°C - 50°C	
	Cooling Fan	Controlled by load	
	Dimensions	195 x 112 x 60 mm / 7.7 x 4.4 x 2.4 inches	
	Net Weight	1.0 kgs / 2.2 lbs	
	Packing	CTN: 51 x 49 x 31 cm, 18 pcs, 23.0 kgs / 20.0 x 19.3 x 12.2 inches, 18 pcs, 50.7 lbs	
	Warranty	2 years	