

Pure Sine Wave Power Inverter - US

GP series



REVERSE POLARITY
PROTECTION



OVERLOAD
PROTECTION



OVER TEMPERATURE
PROTECTION



LOW/OVER VOLTAGE
PROTECTION



SHORT CIRCUIT
PROTECTION



INTRODUCTION

GP series pure sine wave power inverter is developed for off-grid solar power system 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 power inverter is a stable power source with low harmonic distortion to ensure the widest use of applications.

FUNCTIONAL CHARACTERISTICS

- Convert 12V/24V/48V 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

APPLICATION



Pure Sine Wave Inverter 300W - US

GP series

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 \pm 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 \pm 0.5V	21 \pm 0.5V
	Low Voltage Shut Down	10 \pm 0.5V	20 \pm 0.5V
	Low Voltage Recovery	11 - 12V	23 - 24V
	Over Voltage Shut Down	15.5 \pm 0.5V	31 \pm 0.5V
	Over Voltage Recovery	14.3 - 15.3V	28.5 - 29.5V
	Soft Start	Yes	
Others	Working Temperature	-10 $^{\circ}$ C - 50 $^{\circ}$ 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	

Pure Sine Wave Inverter 600W - US

GP series

TECHNICAL SPECIFICATIONS - US

Model		GP600-12-110	GP600-24-110
Output	Rated Power	600W	
	Surge Power	1200W	
	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	232 x 150 x 78 mm / 9.1 x 5.9 x 3.1 inches	
	Net Weight	2.1 kgs / 4.6 lbs	
	Packing	CTN: 63 x 34 x 38.5 cm, 10 pcs, 24.0 kgs / 24.8 x 13.4 x 15.2 inches, 10 pcs, 52.9 lbs	
	Warranty	2 years	

Pure Sine Wave Inverter 1000W - US

GP series

TECHNICAL SPECIFICATIONS - US

Model		GP1000-12-110	GP1000-24-110	GP1000-48-110
Output	Rated Power	1000W		
	Surge Power	2000W		
	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	48V
	DC Voltage Range	10 - 15.5V	20 - 31V	40 - 61V
	No Load Current	1.4A	0.8A	0.3A
Protection	Low Voltage Alarm	10.5 ± 0.5V	21 ± 0.5V	42 ± 1V
	Low Voltage Shut Down	10 ± 0.5V	20 ± 0.5V	40 ± 1V
	Low Voltage Recovery	11 - 12V	23 - 24V	47 - 49V
	Over Voltage Shut Down	15.5 ± 0.5V	31 ± 0.5V	61 ± 1V
	Over Voltage Recovery	14.3 - 15.3V	28.5 - 29.5V	58 - 60V
	Soft Start	Yes		
Others	Working Temperature	-10°C - 50°C		
	Cooling Fan	Controlled by load		
	Dimensions	326 x 165 x 87 mm / 12.8 x 6.5 x 3.4 inches		
	Net Weight	3.1 kgs / 6.8 lbs		
	Packing	CTN: 67.5 x 37 x 30 cm, 4 pcs, 22.0 kgs / 26.6 x 14.6 x 11.8 inches, 4 pcs, 48.5 lbs		
	Warranty	2 years		

Pure Sine Wave Inverter 1500W - US

GP series

TECHNICAL SPECIFICATIONS - US

Model		GP1500-12-110	GP1500-24-110	GP1500-48-110
Output	Rated Power	1500W		
	Surge Power	3000W		
	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	48V
	DC Voltage Range	10 - 15.5V	20 - 31V	40 - 61V
	No Load Current	1.2A	0.6A	0.3A
Protection	Low Voltage Alarm	10.5 ± 0.5V	21 ± 0.5V	42 ± 1V
	Low Voltage Shut Down	10 ± 0.5V	20 ± 0.5V	40 ± 1V
	Low Voltage Recovery	11 - 12V	23 - 24V	47 - 49V
	Over Voltage Shut Down	15.5 ± 0.5V	31 ± 0.5V	61 ± 1V
	Over Voltage Recovery	14.3 - 15.3V	28.5 - 29.5V	58 - 60V
	Soft Start	Yes		
Others	Working Temperature	-10°C - 50°C		
	Cooling Fan	Controlled by load		
	Dimensions	362 x 165 x 87 mm / 14.3 x 6.5 x 3.4 inches		
	Net Weight	4.3 kgs / 9.5 lbs		
	Packing	CTN: 52 x 47.5 x 38 cm, 4 pcs, 20.0 kgs / 20.5 x 18.7 x 15.0 inches, 4 pcs, 44.1 lbs		
	Warranty	2 years		

Pure Sine Wave Inverter 2000W - US

GP series

TECHNICAL SPECIFICATIONS - US

Model		GP2000-24-110	GP2000-48-110
Output	Rated Power	2000W	
	Surge Power	4000W	
	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	24V	48V
	DC Voltage Range	20 - 31V	40 - 61V
	No Load Current	0.6A	0.3A
Protection	Low Voltage Alarm	21 ± 0.5V	42 ± 1V
	Low Voltage Shut Down	20 ± 0.5V	40 ± 1V
	Low Voltage Recovery	23 - 24V	47 - 49V
	Over Voltage Shut Down	31 ± 0.5V	61 ± 1V
	Over Voltage Recovery	28.5 - 29.5V	58 - 60V
	Soft Start	Yes	
Others	Working Temperature	-10°C - 50°C	
	Cooling Fan	Controlled by load	
	Dimensions	430 x 165 x 87 mm / 16.9 x 6.5 x 3.4 inches	
	Net Weight	5.2 kgs / 11.5 lbs	
	Packing	CTN: 52 x 47.5 x 38 cm, 4 pcs, 24.5 kgs / 20.5 x 18.7 x 15.0 inches, 4 pcs, 54.0 lbs	
	Warranty	2 years	

Pure Sine Wave Inverter 3000W - US

GP series

TECHNICAL SPECIFICATIONS - US

Model		GP3000-24-110	GP3000-48-110
Output	Rated Power	3000W	
	Surge Power	6000W	
	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	24V	48V
	DC Voltage Range	20 - 31V	40 - 61V
	No Load Current	0.6A	0.3A
Protection	Low Voltage Alarm	21 ± 0.5V	42 ± 1V
	Low Voltage Shut Down	20 ± 0.5V	40 ± 1V
	Low Voltage Recovery	23 - 24V	47 - 49V
	Over Voltage Shut Down	31 ± 0.5V	61 ± 1V
	Over Voltage Recovery	28.5 - 29.5V	58 - 60V
	Soft Start	Yes	
Others	Working Temperature	-10°C - 50°C	
	Cooling Fan	Controlled by load	
	Dimensions	410 x 216 x 156 mm / 16.1 x 8.5 x 6.1 inches	
	Net Weight	9.0 kgs / 19.8 lbs	
	Packing	CTN: 52.5 x 31.5 x 25 cm, 1 pcs, 11 kgs / 20.7 x 12.4 x 9.8 inches, 1 pcs, 24 lbs	
	Warranty	2 years	

Pure Sine Wave Inverter 4000W - US

GP series

TECHNICAL SPECIFICATIONS - US

Model		GP4000-24-110	GP4000-48-110
Output	Rated Power	4000W	
	Surge Power	8000W	
	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	24V	48V
	DC Voltage Range	20 - 31V	40 - 61V
	No Load Current	1.3A	0.6A
Protection	Low Voltage Alarm	21 ± 0.5V	42 ± 1V
	Low Voltage Shut Down	20 ± 0.5V	40 ± 1V
	Low Voltage Recovery	23 - 24V	47 - 49V
	Over Voltage Shut Down	31 ± 0.5V	61 ± 1V
	Over Voltage Recovery	28.5 - 29.5V	58 - 60V
	Soft Start	Yes	
Others	Working Temperature	-10°C - 50°C	
	Cooling Fan	Controlled by load	
	Dimensions	465 x 216 x 156 mm / 18.3 x 8.5 x 6.1 inches	
	Net Weight	10.0 kgs / 22.0 lbs	
	Packing	CTN: 57.5 x 31.5 x 25 cm, 1 pcs, 12 kgs / 22.6 x 12.4 x 9.8 inches, 1 pcs, 26 lbs	
	Warranty	2 years	

Pure Sine Wave Inverter 5000W - US

GP series

TECHNICAL SPECIFICATIONS - US

Model		GP5000-24-110	GP5000-48-110
Output	Rated Power	5000W	
	Surge Power	10000W	
	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	24V	48V
	DC Voltage Range	20 - 31V	40 - 61V
	No Load Current	1.6A	0.8A
Protection	Low Voltage Alarm	21 ± 0.5V	42 ± 1V
	Low Voltage Shut Down	20 ± 0.5V	40 ± 1V
	Low Voltage Recovery	23 - 24V	47 - 49V
	Over Voltage Shut Down	31 ± 0.5V	61 ± 1V
	Over Voltage Recovery	28.5 - 29.5V	58 - 60V
	Soft Start	Yes	
Others	Working Temperature	-10°C - 50°C	
	Cooling Fan	Controlled by load	
	Dimensions	465 x 216 x 156 mm / 18.3 x 8.5 x 6.1 inches	
	Net Weight	10.5 kgs / 23.1 lbs	
	Packing	CTN: 57.5 x 31.5 x 25 cm, 1 pcs, 12.5 kgs / 22.6 x 12.4 x 9.8 inches, 1 pcs, 28 lbs	
	Warranty	2 years	

Pure Sine Wave Inverter 6000W - US

GP series

TECHNICAL SPECIFICATIONS - US

Model		GP6000-24-110	GP6000-48-110
Output	Rated Power	6000W	
	Surge Power	12000W	
	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	24V	48V
	DC Voltage Range	20 - 31V	40 - 61V
	No Load Current	1.6A	0.8A
Protection	Low Voltage Alarm	21 ± 0.5V	42 ± 1V
	Low Voltage Shut Down	20 ± 0.5V	40 ± 1V
	Low Voltage Recovery	23 - 24V	47 - 49V
	Over Voltage Shut Down	31 ± 0.5V	61 ± 1V
	Over Voltage Recovery	28.5 - 29.5V	58 - 60V
	Soft Start	Yes	
Others	Working Temperature	-10°C - 50°C	
	Cooling Fan	Controlled by load	
	Dimensions	518 x 216 x 156 mm / 20.4 x 8.5 x 6.1 inches	
	Net Weight	13.0 kgs / 28.7 lbs	
	Packing	CTN: 64.3 x 31.5 x 25 cm, 1 pc, 15.0 kgs / 25.3 x 12.4 x 9.8 inches, 1 pc, 33 lbs	
	Warranty	2 years	