



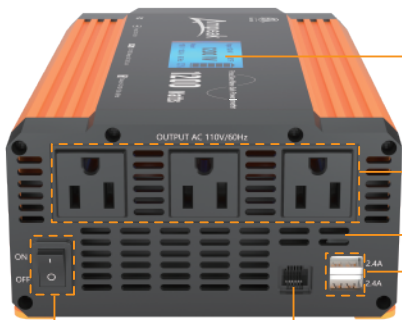
1200 Watts

Pure Sine Wave Safe Power Inverter

Instruction Manual



12-Volt DC to 110-Volt AC with
3*AC Outlets and 2*USB Ports



LCD Display

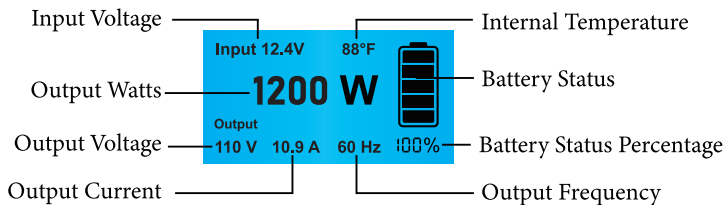
AC Outlets

Ventilation Opening

USB Ports

Power Switch

Remote Control Port
(Remote Control Sold Separately)



What is included?



One 1200 Watts Pure Sine Wave Power Inverter



One Instruction Manual



Two Ring Terminal Cables

EASY OPERATION STEPS



1. Make sure the inverter power switch is OFF.



2. Connect the red positive (+) ring terminal cable to the red positive (+) terminals of the battery and inverter.



3. Connect the black negative (-) ring terminal cable to the black negative (-) terminals of the battery and inverter.



4. Turn on the inverter power switch and plug in your appliance.

⚠ Make sure the inverter is turned OFF when not in use.

Applications



Television



Washer



Vacuum Cleaner



Toaster



Microwaver





Audio



Printer



Refrigerator









| Load Appliance (Do not power electric appliances which exceed 1200 watts.) |  Modified Sine Wave |  Pure Sine Wave |
|--|--|--|
| Refrigerator | ✗ | ✓ |
| Microwaver | ✗ | ✓ |
| Television | ✗ | ✓ |
| Audio | ✗ | ✓ |
| Printer | ✗ | ✓ |










Specifications

| | |
|-----------------------|------------------|
| Continuous output | 1000 Watts |
| Max full load output | 1200 Watts |
| Surge output | 2400 Watts |
| Input voltage | DC 11V~15V |
| Output voltage | AC 100V~120V |
| Low battery alarm | 10.5V \pm 0.5V |
| Low battery shut-off | 9.5V \pm 0.5V |
| USB Output Current | Dual 2.4A |
| High battery shut-off | 16V \pm 0.5V |
| Fuse | Mini fuse 4*40A |

Attention

1. When the input voltage is at 10.5V, the product will have an audible alarm intermittent low voltage warning reminder.
2. When the voltage is lower than 9.5V or higher than 16V, the audible alarm will appear as a long warning.
3. When the loaded equipment exceeds the power of the product itself, the audible alarm will show a long warning; At this time, the customer needs to adjust the power to work within the allowable power range, and after it lasts twice, the third time will enter the protection state, and the 1200 watts pure sine wave inverter needs to be restarted before it can work normally.
4. This product has passed the ETL 1000 Watts ,while the max full load continuous output is 1200 Watts.

| | | | |
|---|--|---|---|
| 1 | BUSOVER VOLTAGE  | Busover Voltage Protection | Internal control voltage at 250V, when the DC busvoltage is higher than 310V Inverter stops working Screen display BUSOVER VOLTAGE Intermittent alarm for 60 seconds Inverter will auto-shut down if the error is not processed in 60s |
| 2 | BUSLOW VOLTAGE  | Buslow Voltage Protection | DC output busvoltage will be above 120V, when the DC busvoltage is below 80V Inverter stops working Screen display BUSLOW VOLTAGE Intermittent alarm for 60 seconds Inverter will auto-shut down if the error is not processed in 60s |
| 3 | VCLOW VOLTAGE  | VCC Power Down Protection | Inverter power down Inverter stops working Screen display VCLOW VOLTAGE Intermittent alarm for 60 seconds Inverter will auto-shut down if the error is not processed in 60s |
| 4 | BATOVER VOLTAGE  | Battery Over Voltage Protection | Input voltage $\geq 16V$ Inverter stops working Screen display BATOVER VOLTAGE Continuous alarm for 60 seconds Inverter will auto-shut down if the error is not processed in 60s |
| 5 | BATLOW VOLTAGE  | Battery Low Voltage Protection | Input voltage $\leq 9.5V$ Inverter stops working Screen display BATLOW VOLTAGE Continuous alarm for 60 seconds Inverter will auto-shut down if the error is not processed in 60s |
| 6 | OVER CURRENT  | Output Over Current Protection | Output electric current > 16 Amps Inverter stops working Screen display OVER CURRENT Continuous alarm for 60 seconds Inverter will auto-shut down if the error is not processed in 60s |
| 7 | INVERTER OVERCOOL  | Output of Inverter Overcool Protection | Internal output electronic components of inverter temperature $< -11^{\circ}C / 12.2^{\circ}F$ Inverter stops working Screen display OVERCOOL Intermittent alarm for 60 seconds Inverter will auto-shut down if the error is not processed in 60s |
| 8 | INVERTER OVERHEAT  | Output of Inverter Overheat Protection | Internal output electronic components of inverter temperature $> 105^{\circ}C / 221^{\circ}F$ Inverter stops working Screen display OVERHEAT Intermittent alarm for 60 seconds Inverter will auto-shut down if the error is not processed in 60s |

| | | | |
|----|--|---------------------------------|--|
| 9 |  <p>REVERSE POLARITY</p> | Reverse Polarity Protection | The positive and negative terminals of the inverter or battery are reversed Inverter stops working Screen display REVERSE POLARITY No alarm remind |
| 10 |  <p>FRONT OVERCOOL</p> | Front Overcool Protection | Internal Input electronic components of inverter temperature <math>< -11^{\circ}\text{C}/12.2^{\circ}\text{F}</math> Inverter stops working Screen display OVERCOOL Intermittent alarm for 60 seconds Inverter will auto-shut down if the error is not processed in 60s |
| 11 |  <p>FRONT OVERHEAT</p> | Front Overheat Protection | Internal Input electronic components of inverter temperature >math>105^{\circ}\text{C}/221^{\circ}\text{F}</math> Inverter stops working Screen display FRONT OVERHEAT Intermittent alarm for 60 seconds Inverter will auto-shut down if the error is not processed in 60s |
| 12 |  <p>SHORT CIRCUIT</p> | Output Short Circuit Protection | Inverter stops working Screen display SHORT CIRCUIT Continuous alarm for 60 seconds |
| 13 |  <p>INVOVER VOLTAGE</p> | Inverter Overvoltage Protection | Output voltage $\geq 130\text{V}$ Inverter stops working Screen display INVOVER VOLTAGE Intermittent alarm for 60 seconds Inverter will auto-shut down if the error is not processed in 60s |
| 14 |  <p>INVLOW VOLTAGE</p> | Inverter Low Voltage Protection | Output voltage $\leq 90\text{V}$ Inverter stops working Screen display INVLOW VOLTAGE Intermittent alarm for 60 seconds Inverter will auto-shut down if the error is not processed in 60s |
| 15 |  <p>COMMWARN</p> | Communication Error Protection | Communication error Inverter stops working Screen display COMMWARN Intermittent alarm for 60 seconds |
| 16 |  <p>OVERLOAD</p> | Output Overload Protection | Output wattage >math>1200\text{W}</math> Inverter stops working Screen display OVERLOAD Intermittent alarm for 60 seconds Allow Two Restores Program locked Permanently in the Third Time Need to power off and restart |
| 17 |  | Anti-Sparks | The positive and negative terminals of the inverter or battery are reversed No sparking during connect |

LIMITED WARRANTY

18-MONTH LIMITED WARRANTY POLICY

18-Month Limited Warranty Policy is the only one that applies to this unit, and it sets forth all the responsibilities of Ampeak. There is no other warranty, other than those described herein. Any implied warranty of merchant ability or fitness for a particular purpose on this unit is limited in duration to the duration of this warranty. This unit is warranted to the original purchaser only to be free of defects in materials and workmanship for 18-month from the date of purchase without additional charge. The warranty does not extend to subsequent purchasers or users.

Ampeak will not be responsible for any amount of damage in excess of the retail purchase price of the unit under any circumstances. Incidental and consequential damages are specifically excluded from coverage under this warranty. This unit is not intended for commercial use. This warranty does not apply to damage to units from misuse or incorrect installation/connection. Misuse includes wiring or connecting to improper polarity power sources.

RETURN/REPAIR POLICY

If you are experiencing any problems with your unit, please contact Ampeak Customer Service Department at: customer.services@ampeak.com returning the product to Amazon. After speaking to a customer service representative, if products are deemed non-working or malfunctioning, the product may be returned to Amazon within 30 days of original purchase. Any defective unit that is returned to Amazon within 30 days of the date of purchase will be replaced free of charge or fully refunded at the buyer's option.

If such a unit is returned more than 30 days but less than 18-month from the purchase date, the manufacturer will repair the unit or at its option, replace it, free of charge. If the unit is repaired, new or reconditioned replacement parts may be used, at the manufacturer's option. A unit may be replaced with a new or reconditioned unit of the same or comparable design. The repaired or replaced unit will then be warranted under the terms of the remainder of the warranty period.

LIMITATIONS

This warranty does not cover accessories, such as adapters and batteries, damage or defects resulting from normal wear and tear (including chips, scratches, abrasions, discoloration, or fading due to usage or exposure to sunlight), accidents, damage during shipping to our service facility, alterations, unauthorized use or repair, neglect, misuse, abuse, failure to follow instructions for care and maintenance, fire and flood.

IMPORTANT SAFETY INFORMATION

SAFETY STATEMENT

It is the responsibility of the owner to make sure all personnel read this manual prior to using the device. It is also the responsibility of the device owner to keep this manual intact and in a convenient location for all to see and read. If the manual or product labels are lost or not legible, contact AMPEAK for replacements or an electronic edition. If the operator is not fluent in English, the product and safety instructions shall be read and discussed with the operator in the operator's native language by the purchaser owned or his designee, making sure that the operator comprehends its contents.



**READ ALL WARNINGS AND FOLLOW ALL INSTRUCTIONS
BEFORE OPERATING THIS PRODUCT!**

WARNING: RISK OF SHOCK, FIRE, AND EXPLOSION.

The inverter produces the same potentially lethal AC power as normal household outlets. It is suggested that you treat it as a normal AC outlet.

- DO NOT insert foreign objects into the AC outlet, the USB port, or the ventilation hole.
- DO NOT use this product where there are flammable fumes or gases, such as in the bilge of a gasoline-powered boat, or near propane tanks.
- NEVER smoke or allow a spark or flame in the vicinity of the engine or batteries.
- Make sure the inverter wiring is of proper size and rating and in good condition. Operating the inverter with damaged wiring may void warranty.



**CAUTION: PERSONAL SAFETY & EQUIPMENT DAMAGE.
KEEP AWAY FROM CHILDREN, THIS IS NOT A TOY.**

- DO NOT attempt to fix the unit by disassembling or modification. You can cause self-injury and disassemble and modifying the unit will void your warranty.
- Disconnect DC power source from the inverter, before attempting to service, clean, or operate on any circuits connected to the inverter. Simply turning OFF the switch of the inverter will not disconnect the power, thereby causing electric shock.
- Never connect the inverter to any power distribution systems or branch circuits.
- DO NOT make any electrical connections or disconnections in areas designated as ignition protected. This unit is NOT approved for ignition-protected areas.
- Connect the unit to a power source with a normal output of 12v DC ONLY. 6V battery voltages are too low and 24V battery voltages are too high, which will damage the unit.
- DO NOT use the inverter in temperatures above 14°F (-10°C) - 113°F (45°C).
- DO NOT expose this product to water, rain, snow, condensation, or spray.

- DO NOT connect the unit to live AC power circuits or there will be damage to the inverter.
- DO NOT connect any AC device which has its neutral conductor connected to the ground to the unit.
- DO NOT use the inverter with medical devices since it is not approved for medical applications.
- DO NOT permanently install the unit in the engine compartment. Certain chargers for small nickel-cadmium batteries can be damaged if connected to the inverter.
- DO NOT use the inverter beyond its rated wattage capacity. Add the total watts of all connected appliances and be sure the total is less than the inverter's capacity.

⚠ This product may contain one or more chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. Wash hands thoroughly after handling.

NOTE:

If you are unsure about using your rechargeable appliance with the inverter, contact the Ampeak: customer.services@ampeak.com to determine the rechargeable appliances' compatibility with the inverter.

Help Centre

Thank you for choosing Ampeak 1200 Watts Pure Sine Wave Safe Power Inverter. Please read this instruction carefully as they contain important information, and safety requirements. If you have trouble understanding the instructions, or have any questions regarding its operation, please contact our friendly customer support team, via customer.services@ampeak.com



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