



Powerology

2 AC Universal Power Inverter

SKU: PWCUQC038

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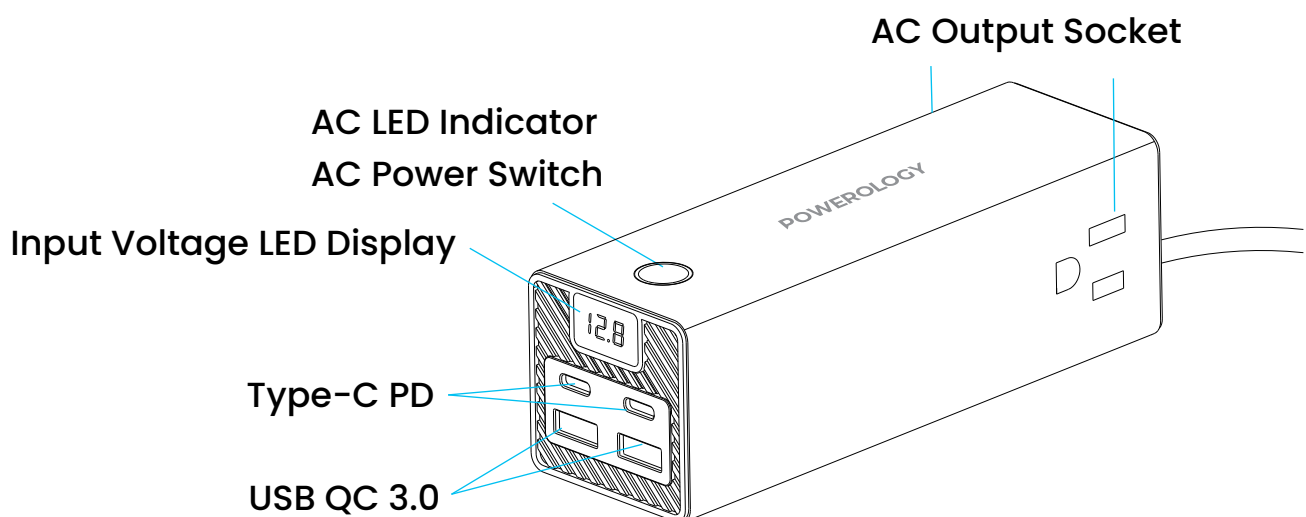
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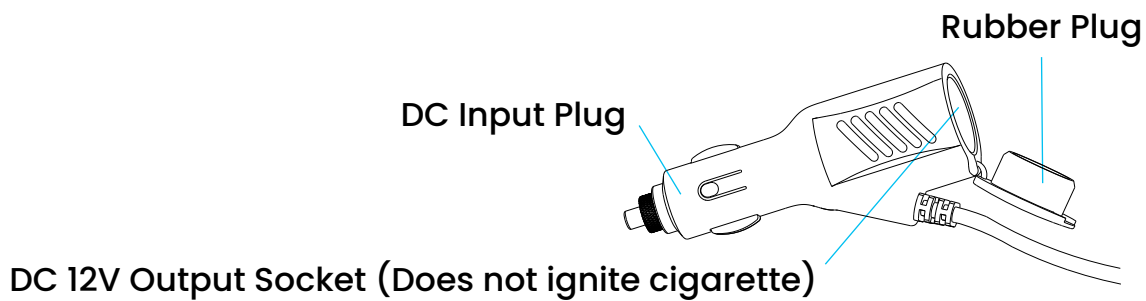
Before using the product, please carefully read this User Manual to guarantee correct usage and keep it secure for future reference.

Preface

The product features intelligent USB charging outlets and AC output sockets, including Type-C and USB-A charging ports. Each USB port has an automatically recognizable built-in protocol, enabling smart quick charging for digital products, including those from Apple, Samsung, Nokia, and other brands. The AC output sockets can be used as a power supply or charger for mobile equipment in office settings, for communication, and in emergency situations. It is designed for universal accommodation of different models of mobile phones, notebooks, notepads, and a wide range of digital, electronic, and electric products, including drones, model airplanes, camcorders, digital cameras, DVDs, and more. The inverter also features an LED display that shows and monitors the automobile battery voltage in real time. This product is an excellent aid for self-driving tours and in emergency situations.

Schematic View





Operation Guide

1. Insert the 12V power inverter plug into the in-car cigarette socket. The inverter's LED will display the automobile battery voltage, and the blue ambient light will turn on.

Note: To avoid overloading, please first understand the power requirements of your appliance to ensure it does not exceed the inverter's output power.

2. After connecting your appliance to the inverter's AC socket, press the AC switch. The blue indicator light will turn on, and the inverter will begin outputting. Meanwhile, the cooling fan inside the inverter will start working.

3. Please do not use the inverter for extended periods after the automobile engine shuts down, as this may severely deplete the automobile battery's voltage, negatively affecting the engine ignition and battery life.

4. After use, or if not in use for an extended period, please unplug the inverter from the cigarette lighter socket and store it properly.

Caution

1. The rise in temperature and fan noise are normal phenomena during the use of this product.

2. Please ensure that the appliance you are using does not exceed 300W.

3. Keep children away from this product.

Error Codes

E-1: Input under-voltage protection

E-2: Input overvoltage protection

E-3: Overheating protection

E-4: Output overload protection

E-5: Output short circuit protection

FAQ

1. How do I know the output voltage of my car's cigarette lighter socket?

Check the car user manual, consult with the car seller, or use a multimeter to measure the voltage.

2. How many watts of appliances can I use?

Although the two AC outlets can output a total power of 300W, we recommend that the total power does not exceed 300W if the 4 USB ports and 2 AC outlets are in use simultaneously. Note: To avoid fusing the cigarette lighter socket, the total output power of the inverter should not exceed the maximum output power of the cigarette lighter socket.

3. What does the number on the LED mean?

The LED displays the voltage of the automobile battery.

4. Can the inverter shut down automatically?

Yes. The inverter is designed with multiple automatic protection mechanisms, including input overvoltage, input undervoltage, output overpower, overtemperature, and output short circuit. If the inverter shuts down for automatic protection during use, please unplug the inverter and restart it.

5. Why is the AC output voltage of the inverter measured with a voltmeter much lower?

The output waveform of the inverter is a modified sine wave, which may only be measured accurately with a TRMS voltmeter. Common voltmeters cannot measure the modified sine wave.

Specifications

Input	12V/29A Max
AC Output	300W Max
AC Output Voltage	220V~±%10
AC Output Frequency	50Hz±3Hz
USB-A Output	5V/3A, 9V/2A, 12V/2A 24W Max
USB-C Output	5V/3A, 9V/3A, 12V/3A 36W Max
USB-A + USB-C	5V/3.4A 17W Max
Total Output	300W Max
DC Output	12V/4A 48W Max
Number of Outlets	x2 USB-C (PD 36W), x2 USB-A (QC 3.0), x2 AC Sockets

Cable length	53cm
Product Size	47 x 46×142mm
Product Weight	338g
Model Number	PWC038

Disposal

This product must not be disposed of as unsorted household waste. It is important to separate such waste for proper treatment and recycling, in compliance with local waste management regulations.



Warranty

Products that you buy directly from our **Powerology** website or shop come with a 24-month warranty.

The 24-month warranty applies to products purchased directly from our **Powerology** website or store. If **Powerology** products are bought from any of our verified retailers, then the product is eligible for only a 12-month warranty. To extend your product's warranty, visit our website **powerology.me/warranty** and fill in your details in the provided form along with an uploaded picture of the product to process your request. Once approved, you will receive a confirmation email of the extended product warranty. Upload the required information within 48 hours of purchase to be eligible for a 24-month warranty period.

For more info, please check:
powerology.me/warranty

Contact Us

If you have any questions about this Privacy Policy, please contact us at: **hey@powerology.me**

Website: **powerology.me**

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