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Mondial - 45W GaN III Universal Travel Charger

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Product Introduction

The Powerology Mondial 45W GaN Universal Travel Charger is a compact, travel-ready power adapter designed for global use. Built with advanced GaN technology, it delivers up to 45W of fast charging through three ports — two USB-C and one USB-A. Its rotatable plug mechanism supports US, UK, EU, and AU sockets, making it the ideal companion for international travelers who need reliable power for smartphones, tablets, and laptops on the go.



Structural Diagram

The Mondial travel charger features three charging ports on the front — two USB-C outputs and one USB-A output — with a rotatable plug mechanism on the rear that adapts to different international socket standards.



Safety Instructions

Warning:

1. For indoor, dry use only — keep the charger and cables away from water, moisture and humidity.
2. Do not use the charger if the housing, plug pins or any connected cable is damaged, cracked or deformed.
3. Do not cover the charger while in use, and do not operate it under bedding, pillows or near flammable materials.
4. Fully extend and lock the selected travel plug into position before inserting the charger into a wall outlet.
5. Do not rotate or switch plug heads while the charger is plugged into a mains outlet.
6. Do not disassemble, modify or attempt to repair the charger; there are no user-serviceable parts inside.
7. Do not insert metal objects, fingers or foreign matter into the USB ports or the AC plug contacts.
8. Stop using the charger immediately if it emits smoke, unusual odour, excessive heat or abnormal noise, and unplug it from the outlet.
9. Keep the charger away from heat sources, open flames and direct sunlight during use and storage.

10. If the supply cord or plug becomes damaged, the unit must be replaced by its service agent or a similarly qualified person to avoid a hazard.
11. Do not exceed the charger's rated output; use only USB cables and devices rated for the delivered power.
12. This charger includes built-in overcurrent, overvoltage, over-temperature and short-circuit protection, and will automatically shut down or reset when an abnormal condition is detected; disconnect connected devices and unplug the charger before returning it to normal use.

Attention:

1. Make sure your mains voltage matches the charger's rated input before plugging it in.
2. Unplug the charger by holding its body, not by pulling the cable.
3. Use the charger only with compatible devices and within its rated output; charge fast-charging devices with a cable that supports the required protocol.
4. Ensure the charger is fully inserted into the outlet and that the plug head is firmly locked in the chosen position.
5. Keep the charger out of the reach of children and pets, and unplug it when not in use or during travel.
6. Allow adequate ventilation around the charger during use; it is normal for the housing to become warm under load.
7. Wipe the charger only with a dry, soft cloth after unplugging it from the outlet — do not use solvents or liquids.
8. Store the charger in a clean, dry place with the plug retracted to protect the pins during transport.
9. This charger is not a toy; do not allow young children to handle or use it without adult supervision.
10. This product complies with applicable international safety and EMC requirements and carries the CE, and RoHS markings; refer to the markings on the product housing and packaging for the certifications valid in your region.



How to Use

1. Selecting the Plug Type

Rotate the plug mechanism to reveal the pin configuration matching your local wall outlet (US, UK, EU or AU).

Ensure the plug is fully locked into position before use.

Confirm the exposed pins are straight and free of damage.

2. Connecting to a Power Source

Verify the local AC voltage is within 100–240V, 50/60Hz.

Insert the charger fully into a compatible wall outlet.

Ensure the charger sits securely without wobbling in the socket.

Do not use the charger with damaged outlets or loose sockets.

3. Charging Your Devices

Connect your device to USB-C1 for the fastest charging up to 45W (ideal for laptops and fast-charge smartphones).

Use USB-C2 for secondary USB-C devices up to 20W.

Use the USB-A port for legacy devices supporting legacy fast-charge protocols up to 22.5W.

When multiple ports are used at once, output is automatically distributed as per the specification table.

Disconnect devices once fully charged to conserve energy.

4. After Use

Unplug all connected cables from the charger.

Remove the charger from the wall outlet by gripping the body — not the cable.

Retract or fold the plug pins for safe storage.

Store the charger in a dry, cool place away from direct sunlight.

Specifications

AC Input	240-100V, 60/50Hz
Input Current	1.3A Max
USB-C1 Output	5V=3A, 9V == 3A, 12V=2.5A,15V=3A, 2.25=20A, 45W Max
USB-C2 Output	5V=3A, 9V-2.22A,12V=1.67A, 20W Max
USB-A Output	5V=3A, 9V-2A,10V-2.25A,12V=1.5A, 22.5W Max
PPS Output	11-5V == 4.05A
AVS Output	20-5V-2.25A, 15-5V == 3A
USB-C1 + USB-C2 Output	30W + 12W
USB-C1 + USB-A Output	30W + 12W
USB-C2 + USB-A Output	5V-2.4A, 12W Max
USB-C1 + (USB-C2 + USB-A) Output	30W + 12W
Supported Plug Types	US, UK, EU, AU
Product Size	51.5 x 51.5x49mm
Product Weight	120g
Product Material	Flame-Retardant-Polycarbonate
Model Number	PWATOO3

Key Features

1. GaN technology delivers higher efficiency, less heat, and a more compact design than traditional chargers.

2. Up to 45W Power Delivery output on USB-C1 for fast charging smartphones, tablets and USB-C laptops.
3. Triple-port charging with two USB-C ports and one USB-A port for powering three devices simultaneously.
4. Rotatable plug mechanism with US, UK, EU and AU pin configurations for worldwide compatibility.
5. Travel-friendly, lightweight design at only 120 g and a compact 51.5 mm footprint.
6. Supports PPS and AVS fast-charging protocols for optimized charging of compatible devices.
7. Multiple safety protections against overcurrent, overvoltage, overheating and short circuits.
8. Flame-retardant polycarbonate housing for durable, safe everyday use.

Maintenance Tips

1. Keep the Charger Clean

Wipe the housing regularly with a soft, dry cloth to remove dust and fingerprints.

Do not use solvents, alcohol or abrasive cleaners on the plastic surfaces.

2. Protect the Ports

Keep the USB-C and USB-A ports free of dust, lint and debris.

Never insert metal objects into the ports.

3. Handle with Care

Avoid dropping the charger or exposing it to strong impacts.

Do not bend or force the rotatable plug mechanism beyond its designed positions.

4. Safe Storage

Unplug the charger when not in use for extended periods.

Store in a dry environment away from moisture, heat sources and direct sunlight.

5. Use Quality Cables

Pair the charger with certified USB-C and USB-A cables rated for the target wattage.

Replace any cable showing signs of fraying, exposed wires or damaged connectors.

Frequently Asked Questions

1. Can I charge a laptop with this travel charger?

Yes. The USB-C1 port delivers up to 45W, which is sufficient to charge most USB-C ultrabooks and laptops that accept 45W or lower charging input.

2. Can I use all three ports at the same time?

Yes. When all three ports are used simultaneously, total output is distributed as per the multi-port output rows in the Specifications table.

3. Which countries and regions is this charger compatible with?

The rotatable plug mechanism supports US, UK, EU and AU socket standards, which cover a wide range of countries but not all (for example, Swiss, Italian, Indian, South African and Brazilian sockets are not supported). Please check your local socket type before travel.

4. Does the charger support fast-charging protocols?

Yes. It supports USB Power Delivery (PD) up to 45W and legacy fast-charge protocols up to 22.5W, as well as PPS and AVS protocols for compatible devices.

5. Is it safe to leave the charger plugged in when no device is connected?

Yes, the charger includes multiple safety protections, but unplugging it when not in use is recommended to conserve energy and extend product life.

6. Why is my device charging slower than expected?

Charging speed depends on your device, cable and the port used. For the fastest speed, connect a single device to USB-C1 using a high-quality PD-rated USB-C cable.

Troubleshooting

Problem	Likely Cause	Solution
Charger does not power on	No power at wall outlet or plug not fully inserted	Test the outlet with another device and reinsert the charger firmly.
Connected device is not charging	Faulty cable or incompatible device	Try a different certified cable and confirm the device supports USB charging.
Charging speed is slower than expected	Low-quality cable or wrong port used	Use a PD-rated cable and connect to USB-C1 for maximum output.
Charger becomes warm during use	Normal operation under high load	Some warmth is normal with GaN chargers; ensure ventilation and avoid covering the charger.
Charger shuts down during use	Overheat or overload protection triggered	Unplug the charger, allow it to cool, then reconnect fewer devices.
Plug will not rotate or lock	Debris or forced misalignment	Gently clean around the plug mechanism and rotate it slowly to the correct position.
Only one port works when multiple devices connected	Total power draw exceeds allocated output	Refer to the multi-port output table and reduce the number of devices.

Problem	Likely Cause	Solution
Laptop not charging on USB-C1	Laptop requires more than 45W	This charger supports laptops rated at up to 45W; higher-wattage laptops may charge slowly or not at all.
Charger does not fit the wall outlet	Wrong plug configuration selected	Rotate the plug mechanism to match the local socket standard (US, UK, EU or AU).
USB-A device not detected	Loose cable connection or damaged port	Reconnect the cable firmly; if the issue persists, test with another USB-A device.
Buzzing or humming noise	Loose components or defective unit	Discontinue use and contact Powerology support if the noise persists.
Charger indicator does not respond	Internal fault	Unplug immediately and contact Powerology support for assistance.

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 www.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: www.powerology.me/warranty

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