

User Manual for 65W Ultra-Slim GaN Charger

Preface

Thank you for purchasing this 65W ultra-slim Gallium Nitride (GaN) fast-charging charger. Adopting next-generation GaN semiconductor chip technology, this product breaks the bulky design of traditional chargers. It delivers a slim profile, compact size, high power output and low heat generation. Compatible with mobile phones, tablets, lightweight laptops, Bluetooth earphones, smartwatches and other digital devices, it supports multi-protocol intelligent fast charging to serve multiple purposes with one charger for home, travel and office scenarios.

Please read this manual carefully before use to learn proper operation and safety precautions. Keep this manual for future reference.

1. Product Introduction

This is a high-power 65W ultra-slim GaN fast-charging charger. Its housing is made of lightweight matte flame-retardant material with curved rounded edges for a smooth, scratch-resistant finish. The fold-away prongs prevent scratches to bags and save storage space, ideal for home, office and travel use.

Built-in intelligent voltage-stabilizing chips automatically identify and match device fast-charging protocols and support mainstream fast-charging standards. It delivers up to 65W full-speed output from a single port and performs intelligent power distribution for multi-port operation for stable charging without harming battery health. Compared with conventional chargers, it features higher energy efficiency, lower heat output and broader compatibility, well suited for daily fast charging and emergency power supply for lightweight laptops.

2. Key Product Specifications

Basic Specifications

1. Product Name: 65W Ultra-Slim GaN Fast-Charging Charger
2. Housing Material: High-temperature-resistant flame-retardant PC
3. Core Chip: Next-generation GaN Fast-Charging Chip
4. Input: 100V-240V~50/60Hz, 1.7A (global wide-voltage input for worldwide use)
5. Rated Maximum Power: 65 W

Output Specifications (Intelligent Power Distribution)

- Single-port output: 5V=3A, 9V=3A, 12V=3A, 15V=3A, 20V=3.25A Peak maximum power: 65 W

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Multi-port simultaneous output: The built-in intelligent power-distribution system automatically allocates power and provides balanced stabilized output for reliable multi-device charging.

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Supported Fast-Charging Protocols

PD3.0, QC4+, QC3.0, SCP, FCP, AFC, PPS and other mainstream fast-charging protocols.

Compatible Devices

Smartphones and tablets from Apple, Huawei, Xiaomi, OPPO, vivo, Samsung and other brands; 65W-and-below lightweight laptops such as MacBook, Lenovo and HP; smart wearables, power banks and other digital products.

3. Product Features

1. **Ultra-slim & Portable:** Slim, lightweight body with fold-away prongs. Much smaller than traditional 65 W chargers, it fits easily into pockets, wallets and backpacks.
2. **GaN Technology:** Next-generation GaN chip achieves over 90 % conversion efficiency with low power loss and reduced heat generation for safe low-temperature fast charging.
3. **Full-protocol Compatibility:** Intelligently detects device power requirements and switches automatically between fast-charge and normal-charge modes for broad compatibility with USB-interface digital devices.
4. **Intelligent Multi-port Power Sharing:** Automatically distributes power when multiple devices charge concurrently, avoiding power contention and disconnection while maintaining stable voltage to protect devices.
5. **Nine-fold Safety Protection:** Built-in safeguards against over-voltage, over-current, over-temperature, short-circuit, over-charging, surge current, electric leakage, under-voltage, plus electromagnetic shielding to protect devices and users.
6. **Wide-voltage Compatibility:** 100V-240V wide-voltage design works reliably at home, on business trips and for international travel.

4. Operating Instructions

1. **Connection:** Fully insert the charger into a standard household power socket. Connect one end of a suitable charging cable to the charger and the other end to your digital device.
2. **Automatic Adaptation:** After power-on, the charger identifies your device automatically. No manual adjustment is needed; it selects the optimal charging power and activates fast-charge or regular-charge mode accordingly.

3. Multi-device Charging: Simply plug in additional devices. The charger will perform intelligent power distribution for stable power supply.
4. After-use: Once devices are fully charged, disconnect device cables first, then unplug the charger from the wall. Disconnect power for long-term storage to conserve energy and extend service life.
5. Safety Precautions (Mandatory Reading)
 1. No Unauthorized Modification: Do not disassemble, modify, strike or drop this product. Damaged internal circuits may cause short-circuit, overheating or fire hazards.
 2. Avoid Harsh Environments: Do not use or store in damp, rainy, wet, high-temperature (above 45°C), open-flame or flammable-explosive surroundings.
 3. Do Not Overload: Do not connect devices exceeding the 65 W maximum rated power, which may cause product damage or short-circuit.
 4. Keep Away from Children: Place the product out of reach of infants and children to prevent accidental ingestion, pulling, electric shock or physical injury.
 5. Proper Storage: Disconnect power for long-term storage. Store in dry, ventilated and cool locations; avoid direct sunlight, moisture and compression.
 6. No Wet-hand Operation: Never plug or unplug the charger with wet hands to prevent electric shock.
 7. Stop Use upon Abnormality: Immediately cut power and discontinue use if you notice excessive heat, abnormal noise, odour, smoke, loose ports or charging failure. Contact after-sales service for inspection; do not continue using a faulty unit.
 8. Suitable Cables: Use certified genuine fast-charging cables. Inferior cables may disable fast charging, cause intermittent charging or trigger abnormal heating.

6. Troubleshooting

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Symptom	Possible Causes	Solutions
Device fails to charge	1. Poor wall-socket contact; 2. Damaged or incompatible cable; 3. Loose port	1. Re-plug into a qualified wall socket; 2. Replace with original or certified fast-charging cable; 3. Clean dust and foreign debris from ports
Fast charging cannot be activated	1. Device does not support the relevant fast-charging protocol; 2. Cable does not support fast charging; 3. Power sharing under	1. Normal if your device only supports regular charging; 2. Use high-power fast-charging cable; 3. Use only one port to restore

Symptom	Possible Causes	Solutions
Slight body heating	multi-port operation	full-speed fast charging
	Normal thermal dissipation during fast-charge current conversion	Normal within safe temperature range; no action required
Intermittent charging	Poor port contact, aged cable or unstable mains voltage	Re-seat connections, replace cable or use a stable wall socket

7. Care & Maintenance

1. Regularly clean dust and debris from charger ports and keep ports dry and clean to avoid poor contact.
2. Wipe the housing only with a dry soft cloth. Do not rinse or submerge the product in water.
3. Avoid forcefully tugging cables or bending charger ports to prevent internal wire breakage.
4. Avoid continuous 24-hour standby power. Disconnect power when idle to prolong service life.

8. After-sales Policy

1. Warranty: This product comes with official after-sales warranty. Free replacement or repair is available within the warranty period for non-human-caused quality defects.
2. Warranty Exclusions: Damage caused by unauthorized disassembly, dropping, water ingress, physical abuse or improper use is not covered under warranty.
3. Reminder: Do not attempt self-repair in case of failure. Contact store customer service or official after-sales support.

9. Product Compliance Information

Applicable Standards: GB 4943.1-2022, GB/T 14715-2017 Product Grade: Qualified Product Production Date: See marking on product housing Place of Origin: Guangdong, China

Notice: Product images and specifications are for reference only. Please refer to the actual product. Specifications may be updated without prior notice.

FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.