TECKNET

PD 65W GaN 3-Port Wall Charaer



Model: TK-PC003 User Manual

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Thank you for purchasing Tecknet 65W GaN Wall Charger, Please read this User Manual thoroughly before use of the product and retain it for future reference. If you have any problem using this wall charger, please contact us by email at: support@tecknetonline.com

About This Product

This product features new gallium nitride (GaN) technology, which is smaller in size with the same power and higher charging efficiency. The basic material of the traditional ordinary charger is silicon, GaN is known as the third-generation semiconductor material. Compared with silicon, its performance is doubled, and it is more suitable for manufacturing high-power devices than silicon, with smaller volume and greater power density.

Advantages of GaN

- 1. High thermal conductivity, which can reduce heat dissipation costs and improve charging efficiency.
- 2. High reliability. The high switching frequency can reduce the volume of transformers and capacitors, reducing the size of the
- 3. The band gap of GaN is three times that of silicon, which can reduce conduction loss and improve conversion efficiency.
- 4. As the power increases, the advantages of GaN become more obvious.

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Package Contents





Product Overview



Specifications

Input: 100-240V - 50/60Hz 1.5A Max PD 1/2 Output: 5V=3A, 9V=3A,12V=3A, 15V=3A, 20V 3.25A 65W Max

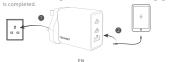
USB Output: 4.5V -- 5A, 5V -- 4.5A, 9V -- 3A, 12V -- 2.5A 20V == 1.5A 30W Max

PD 1+PD 2 Output: PD 45W+PD 18W: 63W Max PD 1+USB Output: PD 45W+QC 18W; 63W Max PD 2+USB Output: 5.0V == 3.6A; 18W Max PD 1+PD 2+USB Output: PD 45W (PD 1)+5V=3.6A (PD 2+USB) 63W Max Total Output: 65W Max

Support Protocols: USB port: OC3.0. SCP. FCP. AFC. AP2.4. BC1.2 PD 1/PD 2 port: PD3.0, PPS, QC2.0, QC3.0, FCP, AFC, AP2.4, BC1.2

How to Use

- 1. Plug the wall charger into a wall socket, then connect your device to the wall charger with a USB-A/USB-C cable.
- 2. Please remove the charger from the wall socket after the charging



- 1. Please try to use the original manufacturer's USB-A/USB-C cable that came with your device.
- 2. When the PD port is used alone, its maximum-rated power is 65W, but the actual output will vary depending on the device protocol. 3. The USB charging cable is not included in the package.

Circuit Protection

1. Overcurrent protection

The overcurrent protection circuit protects the product from being damaged when an overcurrent occurs. The power will automatically recover after the overcurrent protection ended.

PD port: When the output voltage is 5V/9V/12V/15V/20V, the output current of each level is less than or equal to 1.2 times the rated output current.

USB port: When the output voltage is 5V/9V/12V, the output current of each level is less than or equal to 1.5 times the rated output current. When the output voltage is 20V, the output current of each level is less than or equal to 1.8 times the rated output current.

2. Overvoltage protection

The overvoltage protection circuit protects the product from being damaged when an overvoltage occurs. When the output

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voltage is higher than 22V, the overvoltage protection will be triggered. The power supply will automatically recover after the overvoltage protection ended.

3. Short circuit protection

The short circuit protection circuit protects the product from being damaged when a short circuit occurs. At this time, the product stops output. The power supply will automatically recover after the short circuit is removed.

Storage and Working Environment

- Working environment temperature: 32°F-104°F (0 °C +40 °C) Storage temperature: -4°F-176°F (-20 °C - +80 °C)
- Relative humidity of the working environment: 20% 80%RH Relative humidity of the storage environment: 10% - 90%RH

IMPORTANT SAFETY INSTRUCTIONS-CAREFULLY FOLLOW THESE INSTRUCTIONS.

- 1. RETAIN THESE INSTRUCTIONS This sheet contains important safety and operating instructions.
- 2. Before using the product, read all instructions and caution markings on the product, accessories, and device.
- 3. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- 4. Children should be supervised to ensure that they do not play with the appliance
- 5. Keep the product away from the fire to avoid an explosion.
- 6. Do not place the product in or near an inflammable, explosive, or hazardous object.
- 7. Do not operate the product with a damaged cord or plug.
- 8. Do not operate the product if it has been damaged in any way. 9. Do not disassemble the product. Disassembly may result in a risk of safety hazards.
- 10. Do not throw or shake the product.
- 11. To reduce the risk of electric shock, unplug the product from the power supply when not in use or switch off the power supply.













Limited 12-Month Warranty

What this warranty covers.

Shenzhen Unichain Technology Co., LTD. (Manufacturer: "Unichain") warrants to the original purchaser of this TECKNET product that the product shall be free of defects in design, assembly, material, or workmanship.

What the period of coverage is.

Unichain warrants the TECKNET product for 12 Months.

What will we do to correct problems?

Unichain will repair or replace, at its option, any defective product free of charge (except for shipping charges for the product).

What is not covered by this warranty?

All above warranties are null and void if the TECKNET product is not provided to Unichain for inspection upon Unichain's request at the sole expense of the purchaser, or if Unichain determines that the TECKNET product has been improperly installed, altered in any way, or tampered with. The TECKNET Product Warranty does not protect against acts of God such as flood, earthquake, lightning, war. vandalism, theft, normal-use wear and tear, erosion, depletion, obsolescence, abuse, damage due to low voltage disturbances (e.g. brownouts or sags), non-authorized program, or system equipment

modification or alteration. How to claim the warranty

Please contact retailers or visit TECKNET website or email support@tecknetonline.com for more information. To extend the warranty period, please visit TECKNET website and register your TECKNET products within 90 days of purchase.

Every effort has been made to ensure that the information and procedures in this guide are accurate and complete, no liability can be accepted for any errors or omissions and we reserve the right to make any changes without further notice to any products mentioned herein.

SIMPLIFIED EU DECLARATION OF CONFORMITY

Hereby, Shenzhen Unichain Technology Co., Ltd. declares that the product type TK-PC003 is in compliance with Directive 2014/30/EU. The full text of the EU declaration of conformity is available at the following internet address: https://eu.tecknetonline.com/

Correct Disposal of This Product:



(Waste Electrical& Electronic Equipment)

This Marking shown on the product or its literature, indicate that it should not be disposed with other household wastes at the end of its working life.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household user should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contact. This product should not be mixed with other commercial wastes for disposal.

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