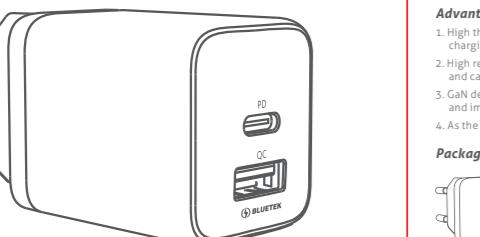


TECKNET**45W GaN Charger**

Model: TK-PC006

User Manual

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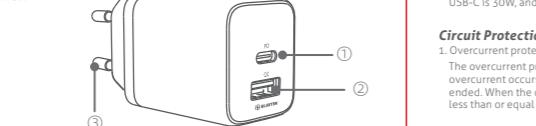
Thank you for purchasing TECKNET 45W GaN Charger. Please read this User Manual thoroughly before use of the product and retain it for future reference. If you have any problem using this charger, please contact us by email at support@eu.tecknetonline.com

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 one is silicon, which is larger in size and has a lower conversion rate. 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 efficiency.
2. High reliability. The high switching frequency can reduce the volume of transformers and capacitors, reducing the size of the charger.
3. GaN device has a high electron saturation velocity, which can reduce conduction loss and improve conversion efficiency.
4. As the power increases, the advantages of GaN become more obvious.

Package Contents**Product Overview****Specifications**

1. Input: 100-240V ~ 50/60Hz, 1.2A Max
2. PD Output: 5V~20V, 9V~3A, 12V~3A, 15V~3A, 20V~2.25A, 45W Max
3. Salida QC: 5V~9V, 9V~2A, 12V~1.5A
4. USB-C+USB-A: 30W+12W
5. Salida total: 45W Max
6. Soportado Protocolos: PD3.0, PPS, QC4+, QC4.0, QC3.0, QC2.0, AFC, FCP, SCP, Apple 2.4, BC1.2

How to Use

1. Plug the charger into a wall socket, then connect your device to the charger with a charging cable.
2. Remove the charger from the wall socket after the charging is completed.

Storage and Working Environment

1. Temperature requirements:
Operating environment temperature: 32°F~104°F (0°C~40°C)
Storage temperature: -4°F~176°F (-20°C~80°C)

Notes:

1. When the PD port is used alone, its maximum rated power is 45W, but the actual output power will vary depending on the device protocol.
2. When the USB-C and USB-A ports are used together, the maximum output power of USB-C is 30W, and that of USB-A is 12W.

Circuit Protection

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

Overtemperature protection

1. Overtemperature protection
When the internal temperature of the charger reaches 212°F (100°C), the charger automatically stops output. When the internal temperature of the charger drops below 176°F (80°C), the power will automatically recover.

Overpower protection

1. Overpower protection
The protection power is 1.3 times the rated power. If the output power exceeds 1.3 times the rated power, the charger stops output and enters protection mode.

Short circuit protection

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