

GaN Adapter



- Up to 94% Efficiency
- Up to 73% Size Reduction
- High Frequency Switching

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OUR PRINCIPLE



SAFE



ECO-FRIENDLY



EFFICIENT



About UNIFIVE

Since 1989, UNIFIVE has been known for its "high quality and high reliability" in the market of AC/DC power supplies (Adapter and Open Frame etc.).



Quality Improvement

When facing the increasingly sophisticated electronics industry, we are committed to developing power supplies widely applied in consumer, home, IoT, medical, audio, industrial, and other appliances.

What's more, we own one of exclusive designs in the world, the patent AC PIN interchangeable type adapter.

Constantly Improving Quality

UNIFIVE's power supply is designed to be small, light, simple, and efficient. What's more, it is available for PSE, CE, UKCA, FCC, DOE VI, and other certification required by customer.

Customized Solution

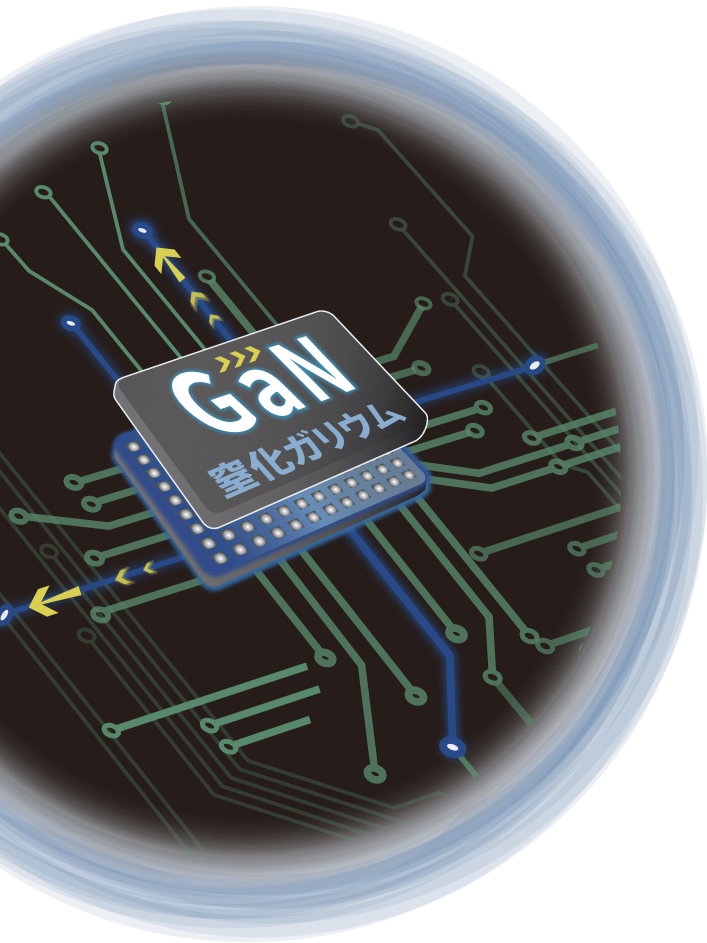
We are proud of our customization. UNIFIVE is endeavoring to fulfill what customer desires, including spec, quality, various regulations, and all kinds of special request.

Experienced Team

There are more than thirty years since UNIFIVE established. Experienced research and development team and the most professional service team are undoubted advantages of UNIFIVE. We will keep pursuing perfection for our customers.



Understand your needs and do our best!



About GaN

Gallium nitride (**GaN**) is a solid and mechanically stable material for semiconductor. Comparing to Si-based material, GaN-based material possesses stronger structure, shorter switch period, better thermal conductivity, and lower on-resistance. Therefore, GaN is quite appropriate for products of **high frequency, voltage, thermal requirement, and efficiency**.

Eventually, thanks to the huge effort from our professional research team, we are proud to introduce the GaN adapter series.

GaN design

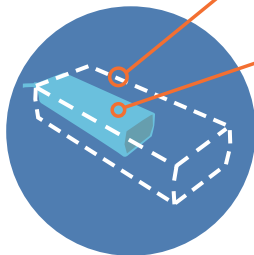
Besides regular functions such as OVP, OCP, OTP, and SCP, UNIFIVE's GaN adaptor supports **PD3.0 and QC4+**, the latest power charging solution established by USB-IF and Qualcomm, which can provide users with the fastest and the most optimized charging experience. In addition, portability of UNIFIVE's GaN adaptor is quite impressive as well. It is up to 73% smaller than previous version of adaptor, which makes users comfortable to carry it everywhere.

UNIFIVE GaN Adapter



High efficiency

Efficiency reach to 94%

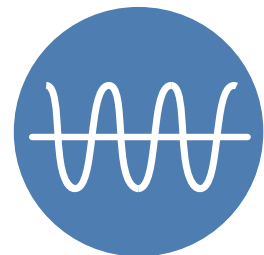


Size Reduction

Up to 73% Size Reduction

UNDEC3200
208.0*106.0*46mm

UNDGC3200
160.0*54.0*32.6mm



High Frequency

Up to 200kHz
Switching Frequency

Charging Optimization

We insist choosing the most appropriate material. What's more, precision resistance, capacitor, and inductance are selected as a crucial part of materials. All we do is to ensure maximum performance and reliability of our product.

Multi-level Protection

OCP, OVP, OTP and other functions related to power supply protection are all taken care of in products of UNIFIVE.



OCP



OVP



OTP



SCP



LPS



EMC

Safety standard



UL



PSE



CB



CE



UKCA

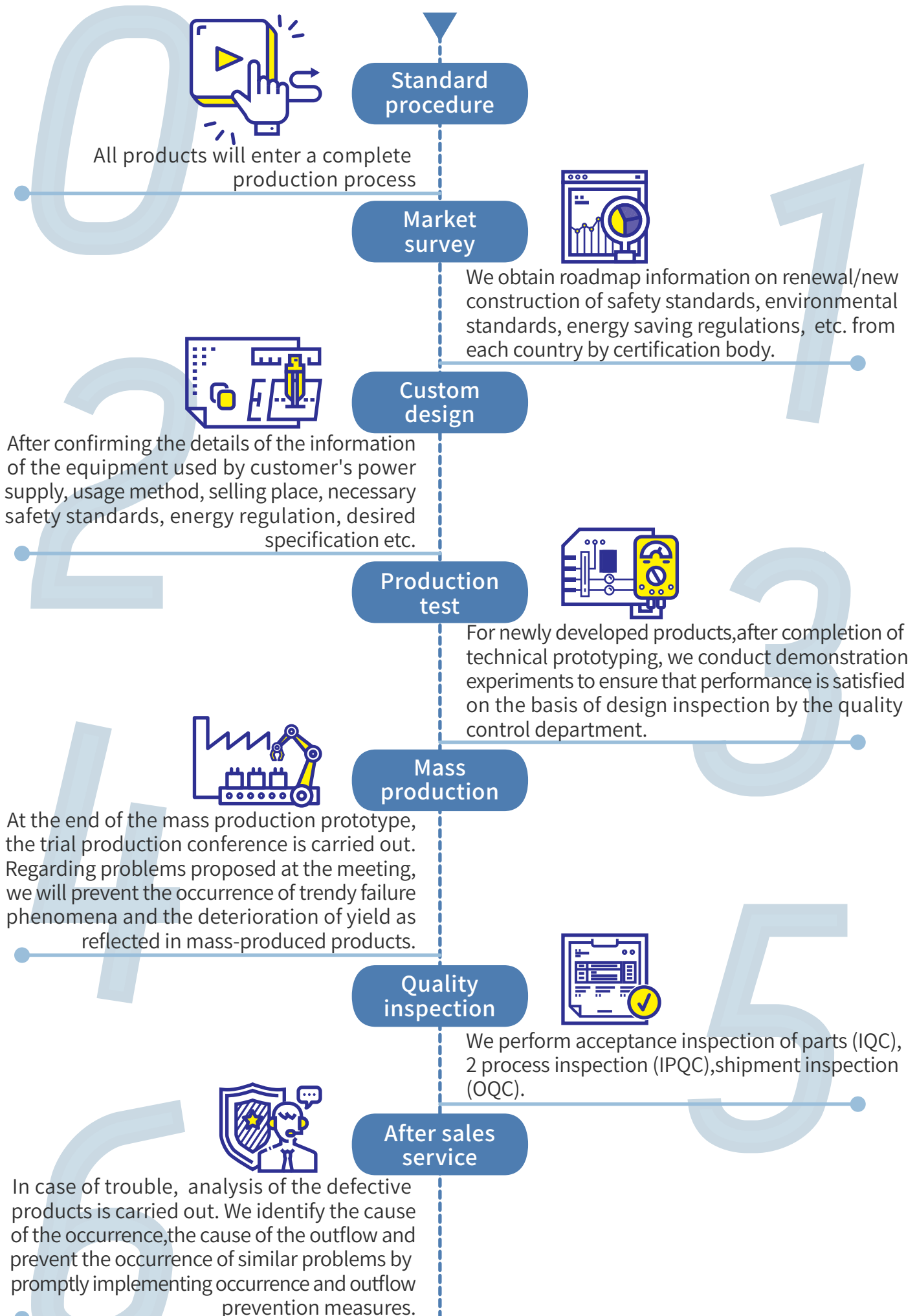


FCC



BSMI

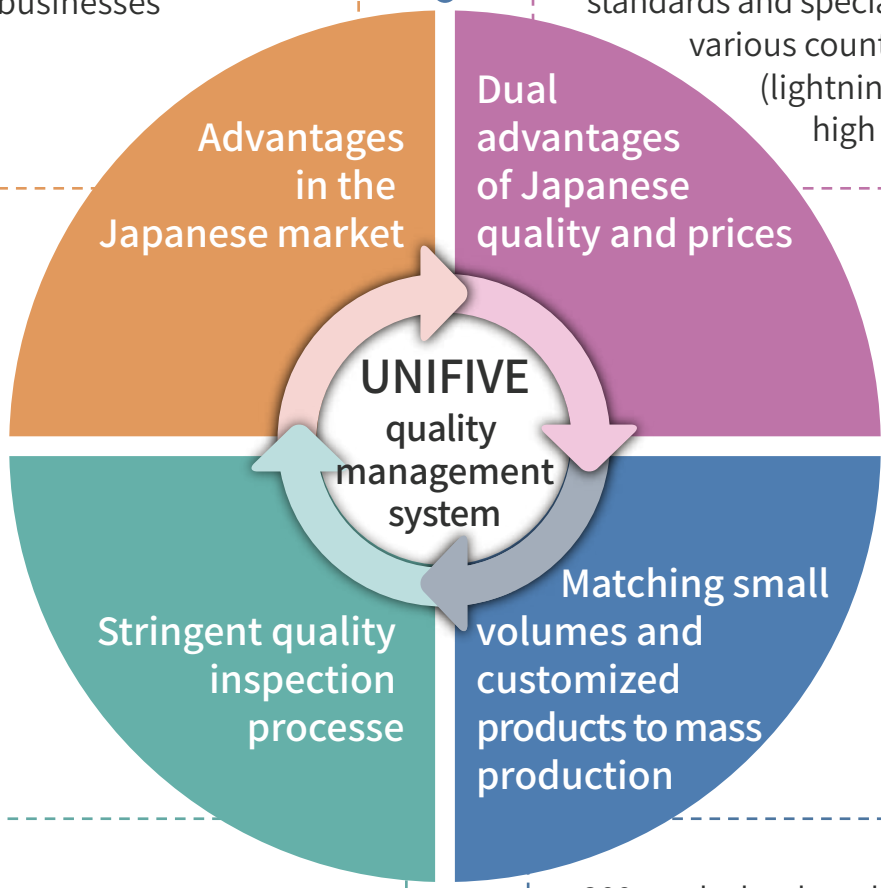




Trade with Japanese clients has increased continuously on our accumulated credibility.

- Most of our clients are Japanese electronics manufacturers
- Familiarity with the requirements of Japanese businesses

- All of our products are developed by our company and have the added value of Japanese quality and advantages
- Our products comply with the safety standards and special standards of various countries (lightning protection, high peak current)



- Our Chinese factory is managed by multiple Japanese supervisors.
- Through our knowledgeable and experienced business staff, we can relieve the troubles of our clients.

- 200 newly developed special products
- Our Japanese company has an annual sales volume of 5 million units on average over the past 10 years or longer



Advantages in the Japanese market

- **Vast experience**

Since our Japanese headquarters was established in 1989, UNIFIVE has steadily expanded its extensive sales network as a comprehensive manufacturer of AC adapters and switches over 33 years.

- **Market advantages**

Most of our partnering manufacturers are well-known Japanese brands and have the advantage of being familiar with the Japanese market.



Dual advantages of Japanese quality and prices

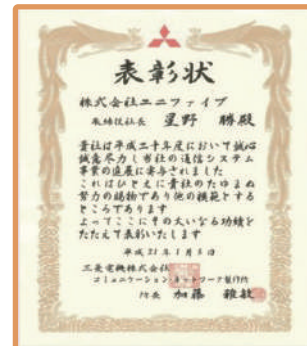
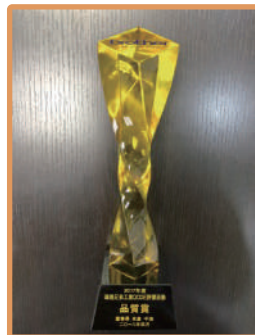
- **Top-grade quality**

UNIFIVE upholds quality as our business philosophy.

Through scientific management, we continuously improve our product quality and collect customer feedback, and strive to provide customers with products most suited for them through continuous improvement.

- **Client satisfaction**

We have received praise for the company from various clients for the high quality and excellent services provided by our company.



- **Quality assurance of our Chinese factory**

UNIFIVE's factory has passed ISO quality system certifications and passed various stages of inspection.

- ISO9001:2015
- ISO14001:2015
- Various safety standard certifications





- **Matching small volumes and customized products to mass production**

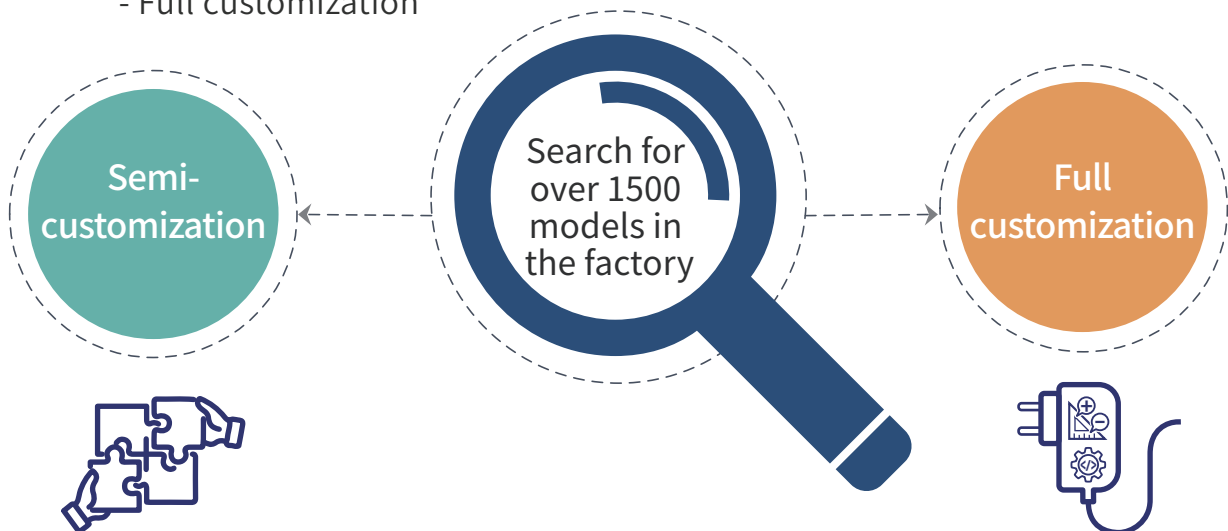
- **Small minimum order quantity**

We have an accurate grasp of diverse market and client needs and can handle small volumes of customized orders with flexibility.

- **Customized products**

We search through the 1,500 available models from our factory according to product requirements provided by our clients (such as safety standards, design, electrical characteristics, environmental standards, and efficiency) to determine if there are suitable products for them. If not, we then work on customizing the products.

- Semi-customization
- Full customization



We modify our products based on the development records of product specifications (with modules). The closer the specifications required by the client to the specifications of UNIFIVE products, the shorter the expected development duration. In terms of cost, this can reduce development costs compared to the cost of full customization.

Our customized power values can satisfy the various needs of clients, such as electrical characteristics, environmental standards, and efficiency standards, and comply with various safety standard regulations.

- **Mass production**

After production at small volumes and continuous updates to product quality, we then embark on mass production in accordance with standard processes.



Quality inspection

01

Visual inspection Manual measurement

- IQC IPQC.....etc.
- QC QA.....etc.



02

Electrical performance measurement test

- ICT testing
- Leakage current inspection
- ATE (efficiency/ Ripple Noise / OCP OVP SCP....etc.)



03

Environmental test

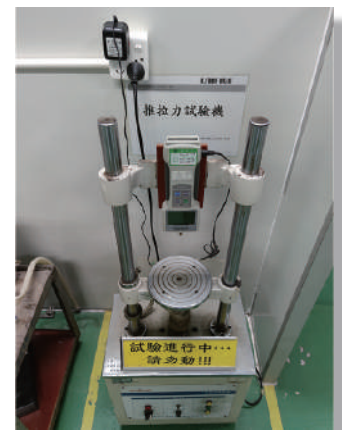
- Thermal shock test
- ESD Test
- Surge Test....etc.



04

Mechanical testing

- Vibration Test
- Mechanical Shock
- Push pull test....etc.



2024

Safe, Eco-Friendly, Efficient



New Product

- ✓ GaN Design
- ✓ High Efficiency
- ✓ Size Reduction
- ✓ High Frequency

UNDGI3045

45W

98.5*46.8*32.1mm



MEET

- PSE
- CE
- UKCA
- FCC
- 62368-1

EFFICIENCY

- DOE VI

WORKING TEMPERATURE

- ▶ 0°C~40°C

OUTPUT

- 5V/3.0A
- 9V/3.0A
- 12V/3.0A
- 15V/3.0A
- 20V/2.25A

65W

UNDGI3065

113.5*54.0*36.3mm



MEET

- UL
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- CB
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2024

Safe, Eco-Friendly, Efficient



New Product

- ✓ GaN Design
- ✓ High Efficiency
- ✓ Size Reduction
- ✓ High Frequency

UNDGx3100

136.5*57.0*34.0mm



100W



MEET

- PSE
- CE
- UKCA
- FCC
- 62368-1

EFFICIENCY

- DOE VI

WORKING TEMPERATURE

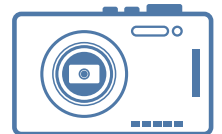
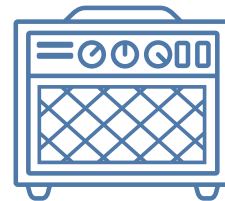
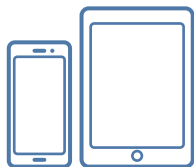
- ▶ 0°C~40°C

OUTPUT

- 5V/3.0A
- 9V/3.0A
- 12V/3.0A
- 15V/3.0A
- 20V/5.0A

Suitable for various appliances.

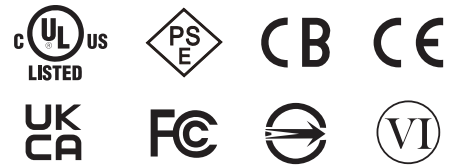
GaN can withstand high working frequency, small size and fast heat dissipation, suitable for major brands of notebook, cell phones, tablets, game consoles, multimedia players, various audio and video devices, etc.



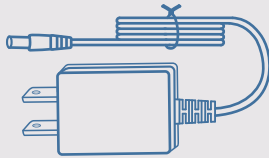
Typical model

Power Rating	Input Voltage	Output Voltage
45W-200W	90V-264V	5V-48V

Safety

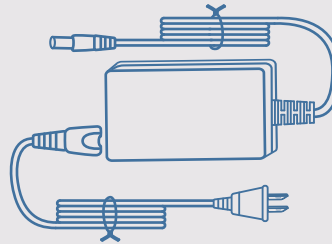


Wall Mount



65W

Desktop



45W ~ 200W

USB PD Type



65W

45W

UNDGI3045

Output 5V-20V



UNDGI

5V/3.0A or 9V/3.0A
12V/3.0A or 15V/3.0A or
20V/2.25A



- High Efficiency
- Ultra small size
- USB-C (With Cable)
- USB-PD port(receptacle) type is also available.

98.5*46.8*32.1mm

65W

UNDGI3065

Output 5V-20V



UNDGI

5V/3.0A or 9V/3.0A
12V/3.0A or 15V/3.0A or
20V/3.25A



- High Efficiency
- Ultra small size
- USB-C (With Cable)
- USB-PD port(receptacle) type is also available.

113.5*54.0*36.3mm

65W

UNVGU3065

Output 24V



24V/2.7A



- High Efficiency
- Size Reduction
- High Frequency

72.7*35.7*53.0mm

65W

UNWGU3065

Output 20V



USB-C1 (PD)
5V/3.0A or 9V/3.0A or 12V/3.0A
15V/3.0A or 20V/3.25A

USB-C2 (PD)
5V/3.0A or 9V/2.0A or 12V/1.5A

USB-A (Quick Charge)
5V/3.0A or 9V/2.0A or 12V/1.5A



- USB PD 3.0
- USB-C 2Ports + USB-A
- Foldable AC Plug

75.0*36.0*32.0mm

100W

UNDGx3100

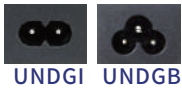
Output 5V-20V



5V/3.0A or 9V/3.0A or
12V/3.0A or 15V/3.0A or
20V/5.0A



- High Efficiency
- Ultra small size
- USB-C (With Cable)
- USB-PD port(receptacle) type is also available.



UNDGI UNDGB

136.5*57.0*34.0mm

160W

UNDGx3160

Output 12V-48V



12V/12.5A or 19V/8.42A
24V/6.67A or 48V/3.33A



- High Efficiency
- Size Reduction
- High Frequency



UNDGI UNDGB UNDGC UNDGT

160.0*54.0*32.6mm

200W

UNDGx3200

Output 12V-48V

It is under develop. Please contact us to receive details information.



20V/10A or 24V/8.3A or
48V/4.1A



- High Efficiency
- Size Reduction
- High Frequency



UNDGI UNDGB UNDGC UNDGT

160.0*54.0*32.6mm

More information please check on our website.

GaN Adapter

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UNIFIVE