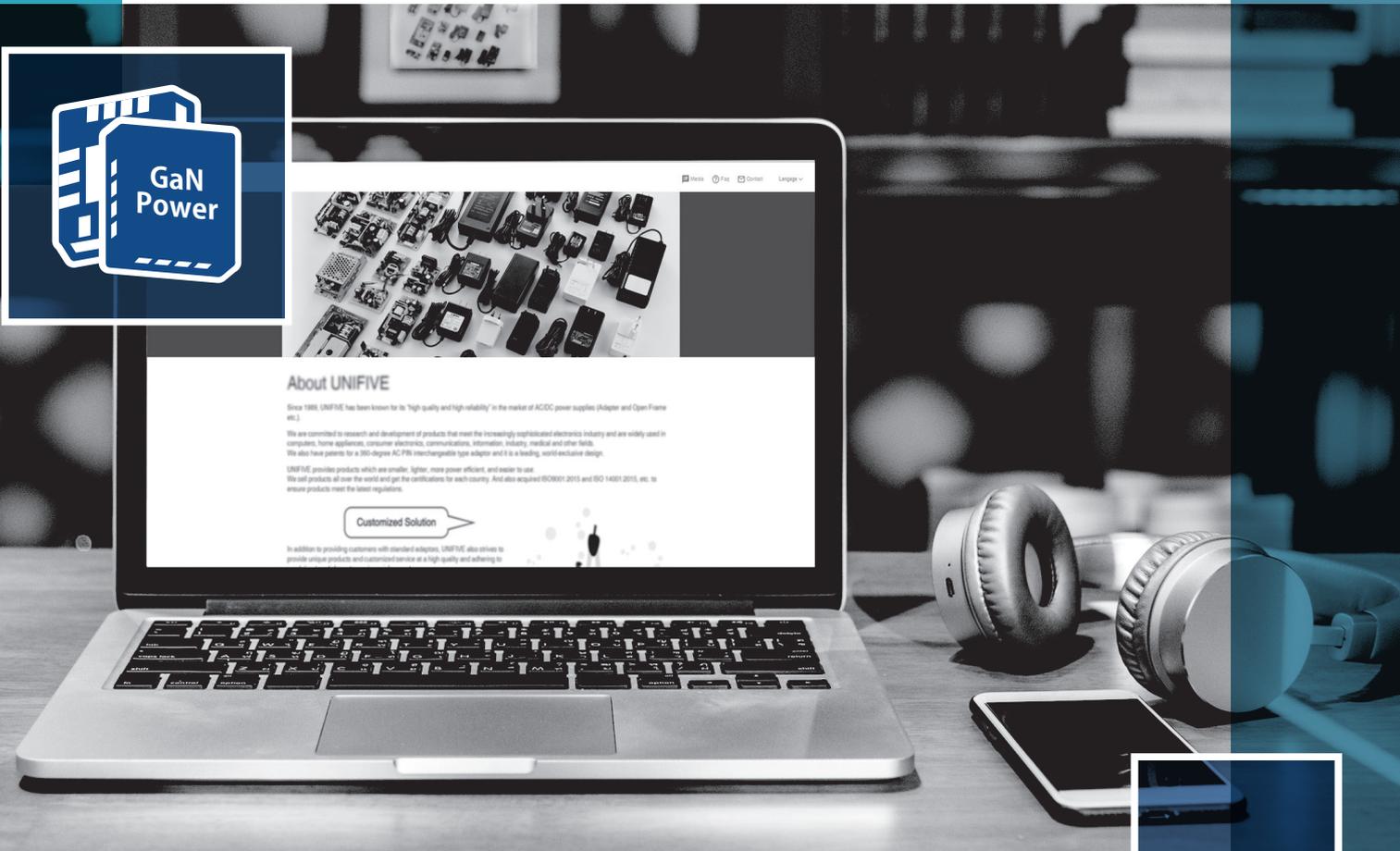


GaN Adapter



- 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

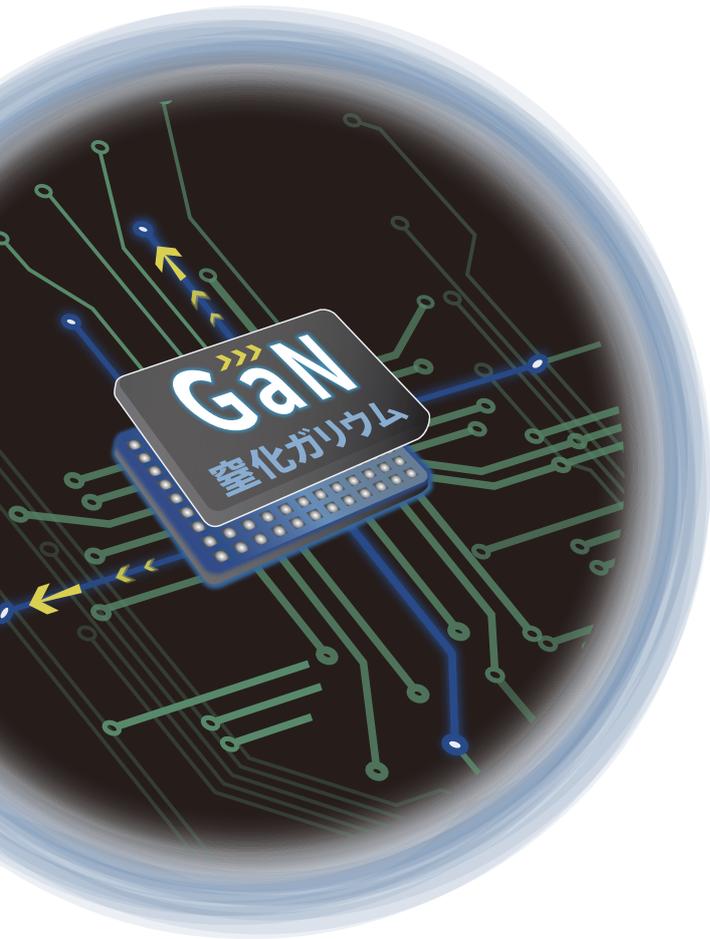
We are proud of our customization. UNIFIVE is endeavoring to fulfill what customer desires, including spec, quality, various regulations, and all kinds of special request.

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

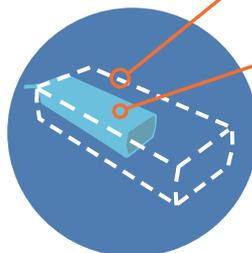
Besides regular functions such as OVP, OCP, OTP, and SCP, UNIFIVE's GaN adaptor supports **PD3.0 and QC4+**, the latest power charging solution established by USB-IF and Qualcomm, which can provide users with the fastest and the most optimized charging experience. In addition, portability of UNIFIVE's 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%

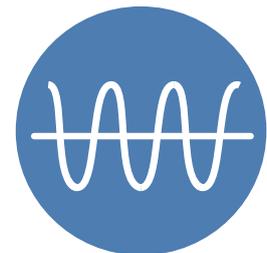


Size Reduction

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

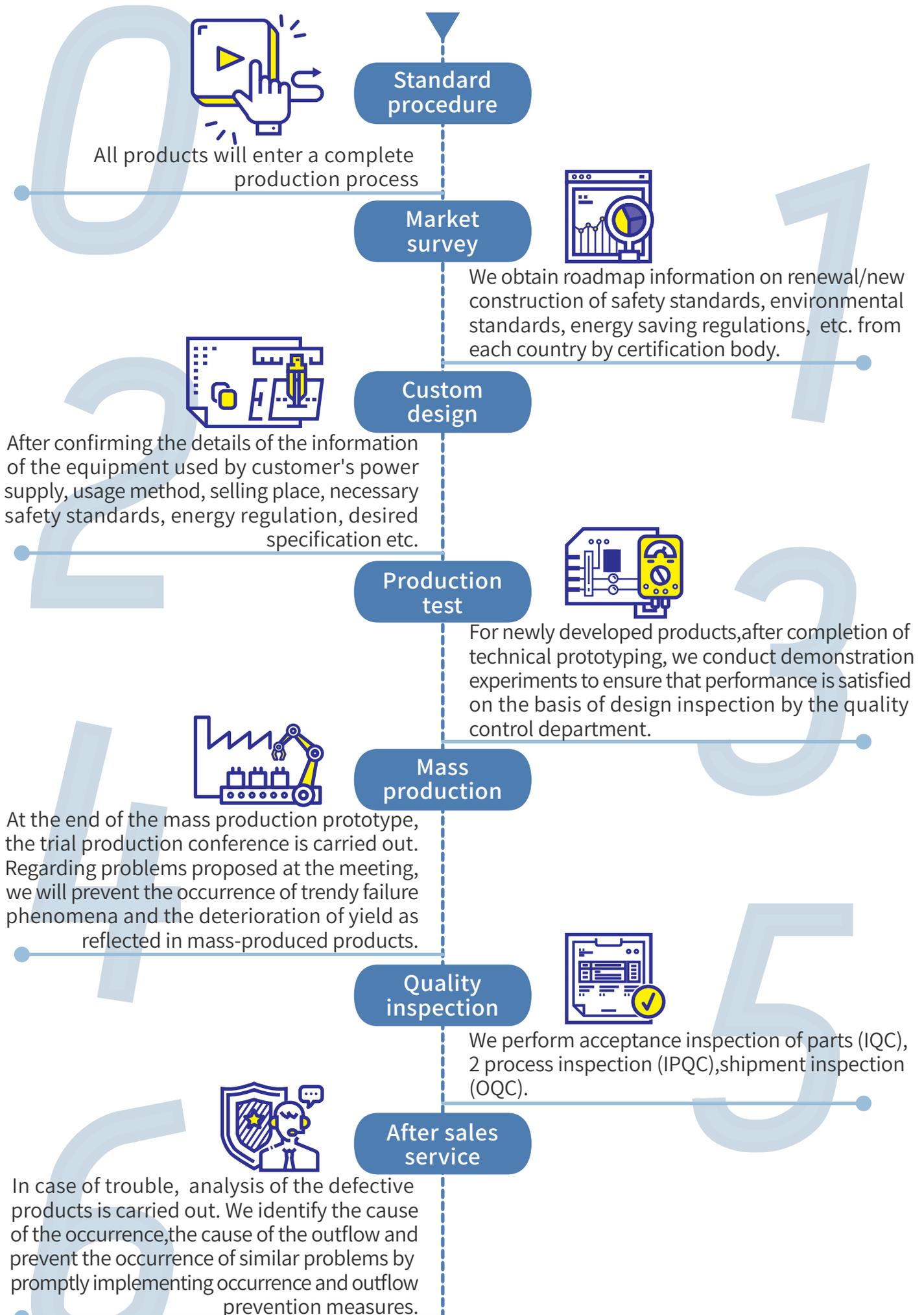


UKCA



FCC

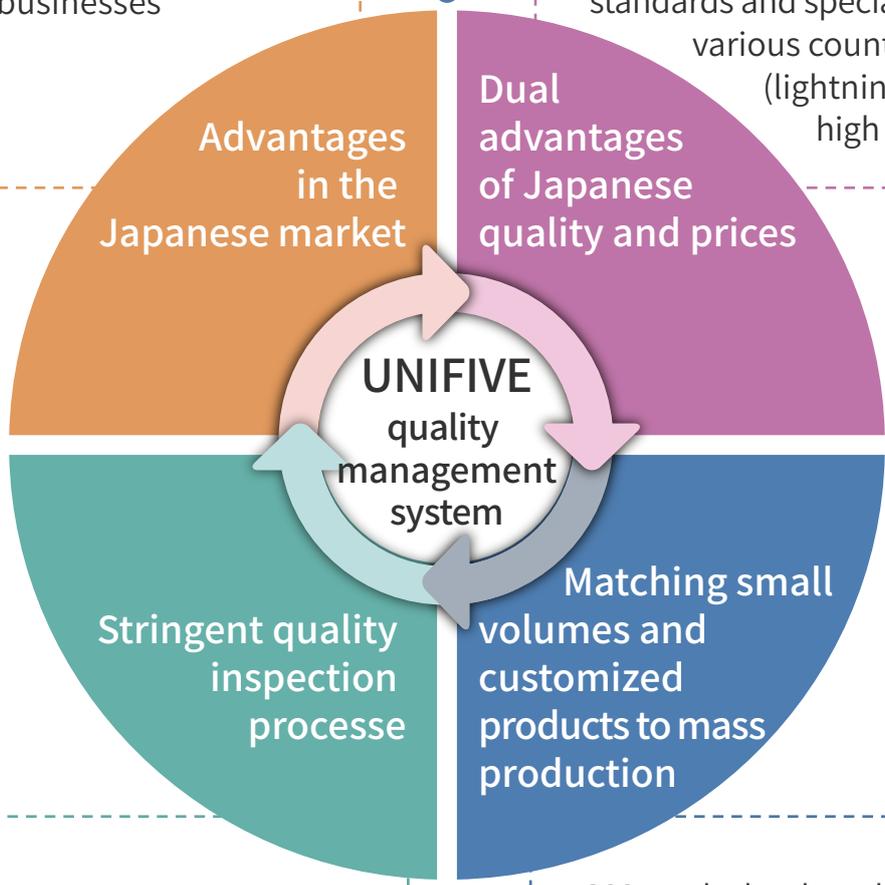




Trade with Japanese clients has increased continuously on our accumulated credibility.

- 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



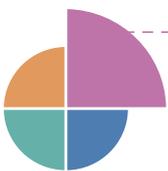
Advantages in the Japanese market

- **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

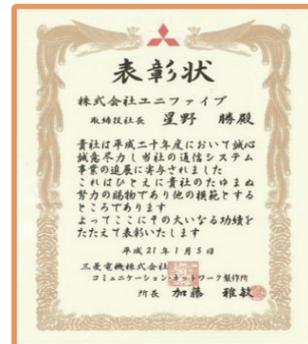
- **Top-grade quality**

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

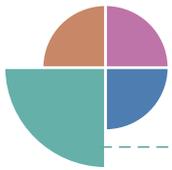


We modify our products based on the development records of product specifications (with modules). The closer the specifications required by the client to the specifications of UNIFIVE products, the shorter the expected development duration. In terms of cost, this can reduce development costs compared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



Quality inspection

Finished Product



Physical test

- ◆ Bending Test
- ◆ Ball-pressure Test
- ◆ Steel Ball Impact Test
- ◆ Cord/Strain Relief Durability
- ◆ Insertion and Withdrawal Test



Chemical Test

- ◆ ROHS Test
- ◆ Brun-in Test
- ◆ Salt Spray Test



Reliability Test

- ◆ ATE Test
- ◆ Aging Test
- ◆ Noise Test
- ◆ High-pot Test
- ◆ Abnormality Test
- ◆ Blanket Wrapping Test



Mechanical Test

- ◆ Drop Test
- ◆ Stress Test
- ◆ Constant Force Test
- ◆ Vibration(Whole box) Test
- ◆ Drop Test(Single product)
- ◆ Push & Pull Strength Test
- ◆ Push & Pull Strength test (AC Pin)
- ◆ Vibration(Single product) Test



EMC Test

- ◆ EFT Test
- ◆ DIP Test
- ◆ Surge Test
- ◆ Radiation Test
- ◆ Conduction Test
- ◆ Static Electricity Test
- ◆ High Frequency Noise Test



Environment Test

- ◆ Hot & Cold Test
- ◆ High Temperature & Humidity Test
- ◆ Low Temperature Test
- ◆ High Temperature Test

Materials

PCB

- ◆ ROHS Test
- ◆ Dimensions
- ◆ Brun-in Test
- ◆ High Voltage Insulation Impedance Test
- ◆ Copper Foil Tensile Strength Test

MOSFET

- ◆ EMI test
- ◆ ROHS Test
- ◆ Dimensions
- ◆ Turn on voltage test
- ◆ Temperature Rise Test
- ◆ Conductor Resistances
- ◆ DS Breakdown Voltage Test

DIODE

- ◆ EMI test
- ◆ ROHS Test
- ◆ Dimensions
- ◆ Forward Voltage Test
- ◆ Temperature Rise Test

CORD

- ◆ ROHS Test
- ◆ Dimensions
- ◆ Brun-in Test
- ◆ Bending Test
- ◆ Salt Spray Test
- ◆ Split confirmation
- ◆ Cord/Strain Relief Durability
- ◆ Conduction Resistances Test
- ◆ Insertion and Withdrawal Test

CASE

- ◆ ROHS Test
- ◆ Dimensions
- ◆ Brun-in Test
- ◆ Salt Spray Test
- ◆ Ball-pressure Test
- ◆ Steel Ball Impact Test

TRANSFORMER

- ◆ EMI test
- ◆ DCR Test
- ◆ ROHS Test
- ◆ Q-value Test
- ◆ Dimensions
- ◆ Split confirmation
- ◆ Temperature Rise Test
- ◆ Electrical Inductor Test
- ◆ High Voltage Insulation Impedance Test
- ◆ Leakage Inductance Test

E-CAP

- ◆ Life Test
- ◆ ROHS Test
- ◆ Dimensions
- ◆ Pull Force Test
- ◆ Leakage Current Test
- ◆ Temperature Rise Test
- ◆ Capacity and Loss Test
- ◆ Withstand Voltage Test
- ◆ Equivalent Resistance Test

2025

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New Product

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

UNDGC3120

160.0*54.0*32.5mm



120W



MEET



■ 62368-1

WORKING TEMPERATURE

▶ 0°C~40°C

STANDBY POWER CONSUMPTION

▶ 0.21W Max.

According to the request of DOE VI

OUTPUT

■ 24V/5.0A

200W

UNDGC3200

160.0*54.0*32.5mm



MEET



■ 62368-1

WORKING TEMPERATURE

▶ 0°C~40°C

STANDBY POWER CONSUMPTION

▶ 0.21W Max.

According to the request of DOE VI

OUTPUT

■ 24V/7.8A

■ 48V/4.16A

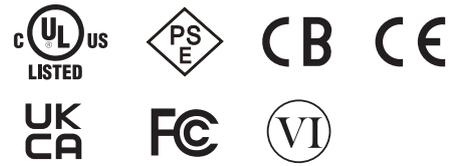


Typical model

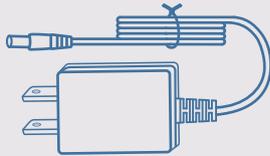
Power Rating	Input Voltage	Output Voltage
45W-200W	90V-264V	5V-50.4V

Safety

Not all the products possess the safety standards below. Please contact us for further information, even customization.

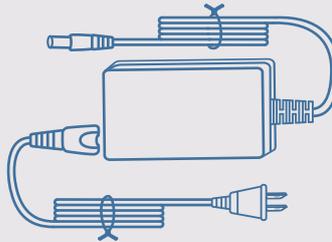


Wall Mount



45W ~65W

Desktop



45W ~ 200W

USB PD Type



65W

45W

UNVGx3045

Output 12V-48V

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



12V/3.8A or 15V/3.0A or 19V/2.4A or 24V/2.0A or 48V/0.94A



- High Efficiency
- Ultra small size
- High Frequency

70.0*35.0*48.0mm

45W

UNDGI3045

Output 5V-20V



UNDGI



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



- High Efficiency
- USB PD
- USB-PD port(receptacle) type is also available.

98.5*46.8*32.1mm

65W

UNVGx3065

Output 12V-24V



12V/4.2A or 19V/3.4A or 24V/2.7A



- High Efficiency
- Ultra small size
- High Frequency

72.7*35.7*53.0mm

65W

UNDGI3065

Output 5V-20V



UNDGI



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



- High Efficiency
- USB PD
- USB-PD port(receptacle) type is also available.

113.5*54.0*36.3mm

65W UNWGU3065 Output max 20V



USB-C1 (PD)
5V/3.0A or 9V/3.0A or 12V/3.0A or 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
- PD 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
- USB PD
- USB-PD port(receptacle) type is also available.

136.5*57.0*34.0mm

120W UNDGC3120 Output 24V



UNDGC

24V/5.0A



- High Efficiency
- Ultra small size
- High Frequency

160.0*54.0*32.5mm

160W UNDgx3160 Output 12V-48V



UNDGI UNDGB UNDGC UNDGT

12V/12.5A or 19V/8.42A or 24V/6.66A or 48V/3.33A



- High Efficiency
- Ultra small size
- High Frequency

160.0*54.0*32.5mm

200W UNDGC3200 Output 24V-48V



UNDGC

24V/7.8A or 48V/4.16A



- High Efficiency
- Ultra small size
- High Frequency

160.0*54.0*32.5mm

200W UNDCC3200 Output 42V-50.4V

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



UNDCC

42V/4.6A or 50.4V/4.0A



- High Efficiency
- Ultra small size
- High Frequency

160.0*54.0*32.5mm

200W

UNDMC3200

Output 42V

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



42V/4.6A



- High Efficiency
- Ultra small size
- High Frequency

160.0*54.0*32.5mm



UNDMC

More information please check on our website.



Limited
Power Supply



Electromagnetic
Compatibility



Charging



Miniaturization



Foldable AC Plug



Gallium
Nitride Mosfet

GaN Adapter

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UNIFIVE