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# GaN Power Solutions

Energize Your Gaming Spirit



## About Pihong

Pihong's business focus is to maintain its leadership in the power adapter market and to grow our switching power supply market by providing power solutions in telecom, datacom, networking, personal electronics & industrial markets. Our global footprint combined with our ability to provide low-cost manufacturing and strong localized technical support provides a unique dynamic to our OEM and ODM customers that allows us to offer quality solutions on time, to budget and to schedule. With an eye toward the international trend of environmental protection and carbon reduction. Zerova, a subsidiary of Pihong, specializes in the EV Charging Market and offers a comprehensive range of EV charging solutions for both commercial and passenger vehicles.

**Core value**

**Customer service**

**Innovation**

**Sustainability**



**1972**

Leading power  
supplier in the world

**50+ Years**

Selling products to 56+  
countries around the world

Established in 1972

**Top 10**

Offering comprehensive  
power solutions 50+ years

**56+ Countries**



## Certification

Phihong Groups/ Vietnam Factory

**ISO 9001:2015**

Automobile

**IATF 16949:2016**

Medical devices

**ISO 13485:2016**

Hazardous substance process

**IECQ QC080000:2021**

Environmental

**ISO 14001:2015**

Occupational health and safety

**ISO 45001:2018**

## PHIHONG GROUP



Home  
Application



AR/VR



POS



NB



Medical



Industrial



Mobile



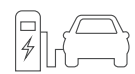
PoE&IoT



e-bike



Infrastructure



EV Charging

## Features

# GaN Power Solutions



OVP



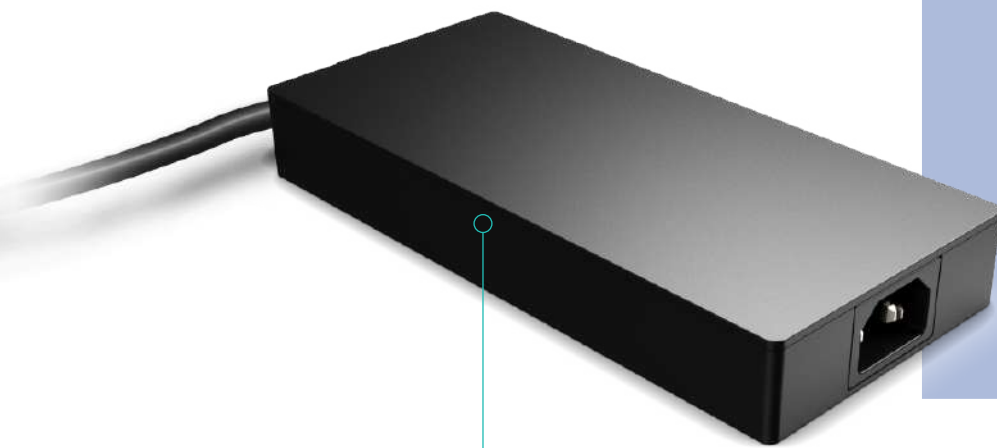
OCP



SCP



OTP



## Features

- GaN (gallium nitride) Technology
- Universal AC Input range
- High efficiency
- Compact design
- Safe & Reliable

## Applications



Gaming / Business  
Laptop



Monitor  
Power Supply



All-in-One  
PCs

CE CB

# GaN Power Series



OVP



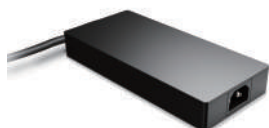
OCP



SCP



OTP



## AA330U-200A-R

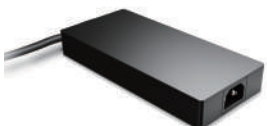
Dimension L180 x W82 x H25.4 mm  
L7.09 x W3.23 x H1 inch

Weight <800 g  
<1.76 lb

### 330W

GaN

Power Rated	Input Voltage	Output Voltage	Constant Current	Peak Load	Efficiency	Input AC Plug
330W	90-264V	20Vdc	16.5A	180%-225%	>94%	IEC C14 Type
Transient Response	Hold-up Time	Power Density	Power Factor	Output Connector		
0.5mS for 50% Load Change (Typical)	> 16 ms typ. @ 100 Vac (100% load)	14.42W / in^3	> 0.95 @ 90 Vac (100% load) > 0.9 @ 230 Vac (100% load)	Barrel connctor (5.5*1.7mm)		
Operating Temperature (°C)	Storage Temperature (°C)	Operation Humidity	Safety			
0°C to 35°C	-35°C to 85°C	5 to 95%	EN 62368-1/ UL 62368-1/ IEC 62368-1			



## AA280U-200B-R

Dimension L180 x W82 x H25.4 mm  
L7.09 x W3.23 x H1 inch

Weight <750 g  
<1.65 lb

### 280W

GaN

Power Rated	Input Voltage	Output Voltage	Constant Current	Peak Load	Efficiency	Input AC Plug
280W	90-264V	20Vdc	14A	180%-225%	>94%	IEC C14 Type
Transient Response	Hold-up Time	Power Density	Power Factor	Output Connector		
0.5mS for 50% Load Change (Typical)	> 16 ms typ. @ 100 Vac (100% load)	12.24W / in^3	> 0.95 @ 90 Vac (100% load) > 0.9 @ 230 Vac (100% load)	Barrel connctor (5.5*1.7mm)		
Operating Temperature (°C)	Storage Temperature (°C)	Operation Humidity	Safety			
0°C to 35°C	-35°C to 85°C	5 to 95%	EN 62368-1/ UL 62368-1/ IEC 62368-1			



# GaN Power Series



## AA280U-200A-R

Dimension L165 x W75 x H25.4 mm  
L6.49 x W2.95 x H1 inch

Weight <750 g  
<1.65 lb

### 280W

GaN

Power Rated	Input Voltage	Output Voltage	Constant Current	Peak Load	Efficiency	Input AC Plug
280W	90-264V	20Vdc	14A	180%-225%	>94%	IEC C14 Type
Transient Response	Hold-up Time	Power Density	Power Factor	Output Connector		
0.5mS for 50% Load Change (Typical)	> 16 ms typ. @ 100 Vac (100% load)	14.6W / in^3	> 0.95 @ 90 Vac (100% load) > 0.9 @ 230 Vac (100% load)	Barrel connctor (5.5*1.7mm)		
Operating Temperature (°C)	Storage Temperature (°C)	Operation Humidity	Safety			
0°C to 35°C	-35°C to 85°C	5 to 95%	EN 62368-1/ UL 62368-1/ IEC 62368-1			



## AA240U-200A-R

Dimension L165 x W75 x H25.4 mm  
L6.49 x W2.95 x H1 inch

Weight <700 g  
<1.54 lb

### 240W

GaN

Power Rated	Input Voltage	Output Voltage	Constant Current	Peak Load	Efficiency	Input AC Plug
240W	90-264V	20Vdc	12A	180%-225%	>92%	IEC C14 Type
Transient Response	Hold-up Time	Power Density	Power Factor	Output Connector		
0.5mS for 50% Load Change (Typical)	> 16 ms typ. @ 100 Vac (100% load)	12.53W / in^3	> 0.95 @ 90 Vac (100% load) > 0.9 @ 230 Vac (100% load)	Barrel connctor (5.5*1.7mm)		
Operating Temperature (°C)	Storage Temperature (°C)	Operation Humidity	Safety			
0°C to 35°C	-35°C to 85°C	5 to 95%	EN 62368-1/ UL 62368-1/ IEC 62368-1			



## AM140M-59FKA-R

Dimension L128 x W63 x H25.4 mm  
L5.04 x W2.48 x H1 inch

Weight <650 g  
<1.43 lb

### 140W

GaN

PD 3.1

Power Rated	Input Voltage	Output Voltage	Constant Current	Peak Load	Efficiency	Input AC Plug
140W	100-240V	5/9/15/20/28 Vdc	0-5A	180% (20V) 150% (28V)	>92%	C6 Type
Transient Response	Hold-up Time	Power Density	Power Factor	Output Connector		
50% Load, with +/- 5% tolerance	> 10 ms typ. @ 100 Vac (100% load)	11W / in^3	> 0.9 @ 230 Vac (100% load)	Type-C (5A)		
Operating Temperature (°C)	Storage Temperature (°C)	Operation Humidity	Safety			
0°C to 40°C	-35°C to 80°C	5 to 95%	EN 60950/ IEC 62368			

# GaN Power Series



OVP



OCP



SCP



OTP



## AA100A-59FKC-R

Dimension L63 x W63 x H29 mm  
L2.5 x W2.5 x H1.2 inch  
Weight <250 g  
<0.55 lb

100W

GaN

PD 3.0

Power Rated	Input Voltage	Output Voltage	Constant Current	Peak Load		
100W	90-264V	5/9/15/20 Vdc	3/3/3/5 A	15V Mode & 20V Mode Peak current equals 200% Ioc for 1ms @5% duty cycle		
Transient Response	Hold-up Time	Power Density	Power Factor	Efficiency	AC Pin	
8.1V~9.9V for 9V / 4.25V~5.75V for 5V	> 10 ms@100Vac/60Hz & Max load	14.49W / in^3	PHP	>89%	US	
Operating Temperature (°C)	Storage Temperature (°C)	Operation Humidity	Operation Altitude			
0°C to 35°C	-30°C to 80°C	10% to 90%	5000M			



## AA65A-59FKE-RW

Dimension L53 x W53 x H29 mm  
L2.1 x W2.1 x H1.2 inch  
Weight <180 g  
<0.4 lb

65W

GaN

PD 3.0

Power Rated	Input Voltage	Output Voltage	Constant Current	Peak Load		
65W	90-264V	5/9/15/20 Vdc	3/3/3/3.25 A	15V Mode & 20V Mode Peak current equals 200% Ioc for 1ms @5% duty cycle		
Transient Response	Hold-up Time		Power Density	Power Factor	Efficiency	AC Pin
8.1V~9.9V for 9V / 4.25V~5.75V for 5V	> 5 ms@100Vac/60Hz & Max load		13.31W / in^3	PHP	>89%	US
Operating Temperature (°C)	Storage Temperature (°C)		Operation Humidity	Operation Altitude		
0°C to 40°C	-30°C to 80°C		10% to 90%	5000M		



65W

GAN

⚡ PD 3.0 | GaN Tech | 50% smaller & lighter

## High-Speed Charging

# TAIWAN

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## Infinite energy possibilities!

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