
PoE Power Solutions

For Tomorrow's Networks



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

PHIHONG GROUP



Home Application



AR/VR



POS



NB



Medical



Industrial



Mobile



PoE&IoT



e-bike



Infrastructure



EV Charging

Your best partner

Why chose us?



Advantages

Day 1

Comprehensive
power solutions

Globalization

Real-time
customer service

166 Patents

& 64 under
applications

> 350 R&D

High quality
engineering
experties

1W - 480kW

Charging
technology

85%

Automated
production



Certification

Phihong Groups/ Vietnam Factory

ISO 9001:2015

Automobile

IATF 16949:2016

Medical devices

ISO 13485:2016

Hazardous substance process

IECQ QC080000:2021

Environmental

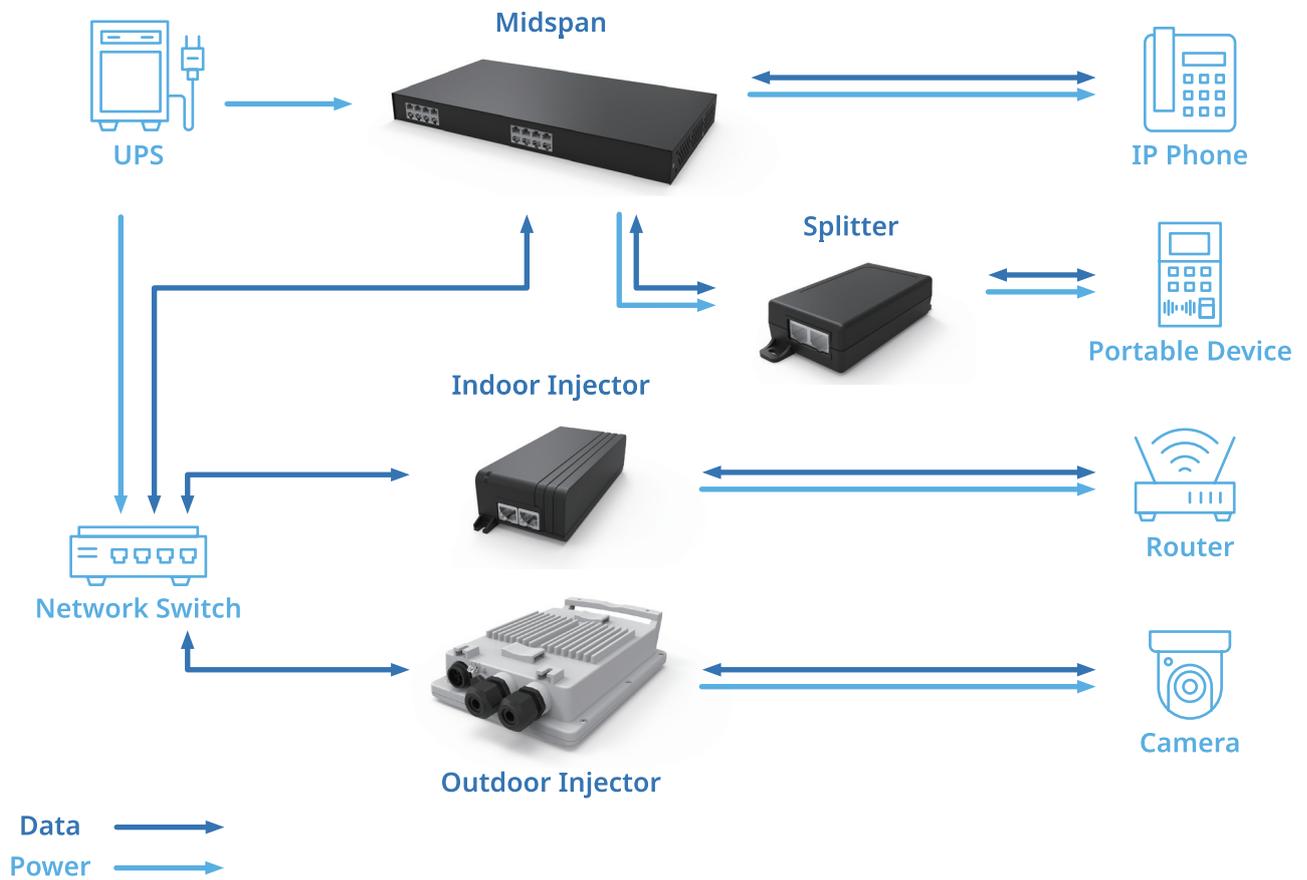
ISO 14001:2015

Occupational health and safety

ISO 45001:2018

Features

Power over Ethernet



Advantages of Pihong PoE Solutions

- Plug and play
- Multiple port options
- Low-voltage and safe to handle
- Power over Ethernet IEEE 802.3
- Passive mode optional

Product Types

- AC single Port Injectors
- DC single Port Injectors
- Multiport Midspan
- Media Converters
- Splitters
- Indoor and Outdoor injector

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Multi-Port Midspan

- Standards compliant IEEE 802.3bt
- Plug and play setup and operation
- Full power every port, never run out of power
- Flexible setup, rack mount or desktop
- SNMP option for remote control



POE240U-4BT-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes	SNMP
IEEE802.3bt	60W	4	2.5G	90~264VAC C14 connector	56V	Desktop-Rack Mount	N



POE240U-4BT-N-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes	SNMP
IEEE802.3bt	60W	4	2.5G	90~264VAC C14 connector	56V	Desktop-Rack Mount	Y



POE576U-8BT-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes	SNMP
IEEE802.3bt	72W	8	2.5G	90~264VAC C14 connector	56V	Rack-Mount	N



POE576U-8BT-N-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes	SNMP
IEEE802.3bt	72W	8	2.5G	90~264VAC C14 connector	56V	Rack-Mount	Y

Injector / Midspan

- Complies with IEEE 802.3 af/at/bt standard, provides up to 90W Output Power
- Support Multi-Gigabit (1G/2.5G/5G/10 Gbps) Data Transmission Speed
- Easy plug-and-play desktop or wall-mounted installation
- PoE over current and short circuit protection to safeguard network devices

IEEE 802.3af / IEEE 802.3at Wall Mount with Interchangeable Worldwide Clips |



POE16R-1AFG6-2-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3af	15.4W	1	2.5G	90~264VAC	56V	Unshielded RJ45 Interchangeable AC clips



POE30R-1ATP-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3at	30W	1	2.5G	90~264VAC	56V	Unshielded RJ45 Interchangeable AC clips

IEEE 802.3af Desktop |



POE15M-1AFE-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3af	15.4W	1	2.5G	90~264VAC C6 connector	56V	Shielded RJ45, Smallest form factor IEEE compliant injector

Injector / Midspan

IEEE 802.3at Desktop |



POE29U-1AT(PL)D-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3at	30W	1	1G	90~264VAC C14 connector	56V	Shielded RJ45



POEA30U-1ATE-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3at	30W	1	1G	90~264VAC C14 connector	56V	Shielded RJ45

POEA30U-1AT-2-R

IEEE802.3at	30W	1	2.5G	90~264VAC C14 connector	56V	Shielded RJ45
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POEA30U-1AT-5-R

IEEE802.3at	30W	1	5G	90~264VAC C14 connector	56V	Shielded RJ45
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POEA30U-1AT-X-R

IEEE802.3at	30W	1	10G	90~264VAC C14 connector	56V	Shielded RJ45
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POEA33U-1ATE-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3at	33W	1	1G	90~264VAC C14 connector	56V	Shielded RJ45

Injector / Midspan

IEEE 802.3bt Desktop |



POE60U-1BTE-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3bt	60W	1	1G	90~264VAC C14 connector	56V	Shielded RJ45



POE60U-1BT-2-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3bt	60W	1	2.5G	90~264VAC C14 connector	56V	Shielded RJ45

POE60U-1BT-5-R

IEEE802.3bt	60W	1	5G	90~264VAC C14 connector	56V	Shielded RJ45
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POE60U-1BT-X-R

IEEE802.3bt	60W	1	10G	90~264VAC C14 connector	56V	Shielded RJ45
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POE90U-1BT6-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3bt	90W	1	1G	90~264VAC C14 connector	56V	Shielded RJ45



POE90U-1BT-N6-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes	SNMP
IEEE802.3bt	90W	1	1G	90~264VAC C14 connector	56V	Shielded RJ45 SNMP Network Management	Y



POE90U-1BT-2-R

IEEE802.3bt	90W	1	2.5G	90~264VAC C14 connector	56V	Shielded RJ45
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POE90U-1BT-5-R

IEEE802.3bt	90W	1	5G	90~264VAC C14 connector	56V	Shielded RJ45
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POE90U-1BT-X-R

IEEE802.3bt	90W	1	10G	90~264VAC C14 connector	56V	Shielded RJ45
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Injector / Midspan

Active PoE |



POE15M-AFA2660-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3af	15.4W	1	2.5G	90~264VAC C6 connector	56V (0.275A)	6kV L-L/6kV L-PE surge; 6kV output surge



POE30U-ATA1660-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3at	30W	1	1G	90~264VAC C14 connector	56V (0.536A)	6kV L-L/6kV L-PE surge; 6kV output surge

POE30U-ATA2660-R

IEEE802.3at	30W	1	2.5G	90~264VAC C14 connector	56V (0.536A)	6kV L-L/6kV L-PE surge; 6kV output surge
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POE30U-ATA5660-R

IEEE802.3at	30W	1	5G	90~264VAC C14 connector	56V (0.536A)	6kV L-L/6kV L-PE surge; 6kV output surge
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POE30U-ATAX660-R

IEEE802.3at	30W	1	10G	90~264VAC C14 connector	56V (0.536A)	6kV L-L/6kV L-PE surge; 6kV output surge
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POE60U-BTA1660-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3bt	60W	1	1G	90~264VAC C14 connector	56V (1.07A)	6kV L-L/6kV L-PE surge; 6kV output surge

POE60U-BTA2660-R

IEEE802.3bt	60W	1	2.5G	90~264VAC C14 connector	56V (1.07A)	6kV L-L/6kV L-PE surge; 6kV output surge
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POE60U-BTA5660-R

IEEE802.3bt	60W	1	5G	90~264VAC C14 connector	56V (1.07A)	6kV L-L/6kV L-PE surge; 6kV output surge
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POE60U-BTAX660-R

IEEE802.3bt	60W	1	10G	90~264VAC C14 connector	56V (1.07A)	6kV L-L/6kV L-PE surge; 6kV output surge
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POE90U-BTA5460-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3bt	90W	1	5G	90~264VAC C14 connector	56V (1.6A)	4kV L-L/4kV L-E, 6kV Output Surge

POE90U-BTAX460-R

IEEE802.3bt	90W	1	10G	90~264VAC C14 connector	56V (1.6A)	4kV L-L/4kV L-E, 6kV Output Surge
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Injector / Midspan

Passive PoE |



POE15M-PSA2660-R

Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
15.4W	1	2.5G	90~264VAC C6 connector	56V (0.275A)	6kV L-L/6kV L-PE surge; 6kV output surge



POE30U-PSA1660-R

Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
30W	1	1G	90~264VAC C14 connector	56V (0.536A)	6kV L-L/6kV L-PE surge; 6kV output surge

POE30U-PSA2660-R

30W	1	2.5G	90~264VAC C14 connector	56V (0.536A)	6kV L-L/6kV L-PE surge; 6kV output surge
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POE30U-PSA5660-R

30W	1	5G	90~264VAC C14 connector	56V (0.536A)	6kV L-L/6kV L-PE surge; 6kV output surge
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POE30U-PSAX660-R

30W	1	10G	90~264VAC C14 connector	56V (0.536A)	6kV L-L/6kV L-PE surge; 6kV output surge
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POE60U-PSA1660-R

Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
60W	1	1G	90~264VAC C14 connector	56V (1.07A)	6kV L-L/6kV L-PE surge; 6kV output surge

POE60U-PSA2660-R

60W	1	2.5G	90~264VAC C14 connector	56V (1.07A)	6kV L-L/6kV L-PE surge; 6kV output surge
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POE60U-PSA5660-R

60W	1	5G	90~264VAC C14 connector	56V (1.6A)	4kV L-L/4kV L-E, 6kV Output Surge
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POE60U-PSAX660-R

60W	1	10G	90~264VAC C14 connector	56V (1.6A)	4kV L-L/4kV L-E, 6kV Output Surge
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Injector / Midspan

Passive PoE |



POE15M-560E-R

Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
15.4W	1	1G	90~264VAC C6 connector	56V	Shielded RJ45



POE16R-560L6-R

Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
15.4W	1	1G	90~264VAC	56V	Unshielded RJ45 Interchangeable AC clips



POEA30U-560E-R

Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
30W	1	1G	90~264VAC C14 connector	56V	Shielded RJ45

POEA30U-560-2-R

30W	1	2.5G	90~264VAC C14 connector	56V	Shielded RJ45
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POEA30U-560-5-R

30W	1	5G	90~264VAC C14 connector	56V	Shielded RJ45
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POEA30U-560-X-R

30W	1	10G	90~264VAC C14 connector	56V	Shielded RJ45
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POE60U-560E-R

Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
60W	1	1G	90~264VAC C14 connector	56V	Shielded RJ45

Injector / Midspan

Passive PoE |



POE60U-560-2-R

Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
60W	1	2.5G	90~264VAC C14 connector	56V	Shielded RJ45
60W	1	5G	90~264VAC C14 connector	56V	Shielded RJ45
60W	1	10G	90~264VAC C14 connector	56V	Shielded RJ45



POE90U-560-R

Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
90W	1	1G	90~264VAC C14 connector	56V	Shielded RJ45



POE90U-560-2-R

POE90U-560-5-R

POE90U-560-X-R

Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
90W	1	2.5G	90~264VAC C14 connector	56V	Shielded RJ45
90W	1	5G	90~264VAC C14 connector	56V	Shielded RJ45
90W	1	10G	90~264VAC C14 connector	56V	Shielded RJ45

Outdoor

- IP 67 Rated
- Wide operating temperature range -40°C to +65°C
- Integrated Mounting bracket for utility poles or outside walls
- IEEE over current and short circuit protection



POEO30U-1AT-R

POEO30U-1AT-X-R

POEO75U-1BT-R

POEO75U-1BT-X-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3at	30W	1	1G	90~264VAC	56V	IP67, 6kV Surge
IEEE802.3at	30W	1	10G	90~264VAC	56V	IP67, 6kV Surge
IEEE802.3bt	75W	1	1G	90~264VAC	56V	IP67, 6kV Surge
IEEE802.3bt	75W	1	10G	90~264VAC	56V	IP67, 6kV Surge

DC Input

- Detection and Classification per IEEE802.3at/bt
- IEEE over current and short circuit protection
- DC Input Voltage 10-55VDC



POE30D-1ATP-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3at	30W	1	1G	DC 10-55V AC 24V Terminal Strip	56V	Shielded RJ45



POE90D-1BTP-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3bt	90W	1	2.5G	DC 20-55V AC 24V Terminal Strip	56V	Shielded RJ45

Media converter

- Extends Ethernet to 200 Meters with copper, (can be even more with Fiber)
- Standard SFP Module Slot
- Converts SFP to POE (converts fiber to copper)
- Gigabit Compatible
- IEEE over current and short circuit protection



POE60S-1BT-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3bt	60W	1	1G	90~264VAC C14 connector SFP Module	56V	Shielded RJ45

PoE to USB converter

- Compliant with IEEE802.3at/bt standard
- Power delivery 3.0
- USB-C receptacle
- Over-Current & Over-Voltage Protection
- Shielded RJ45



POEUSB20-1AT-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3at	20W	1	1G	45~57VAC	5V, 9V, 12V, 15V, 20V	5V, 9V, 12V, 15V, 20V



POEUSB60-1BT-R

Standard	Power per port	Number of ports	Data Speed	Input Voltage	DC Output Voltage	Notes
IEEE802.3bt	60W	1	1G	45~57VAC	5V, 9V, 12V, 15V, 20V	5V, 9V, 12V, 15V, 20V

Splitter

- Compliant af/at/bt PD
- DC Good LED
- Non-Vented Case
- Full Protection OTP, OCP, OVP



	Standard	Power per port	Data Speed	Input Voltage	DC Output Power	Notes
POE14-050-R	IEEE802.3af	12.5W	1G	36~56VDC	12.5W	Work with any Layer 1 IEEE802.3 Power Sourcing Equipment
POE21-120-R	IEEE802.3at	21W	1G	45~57VDC	21W	Work with any Layer 1 IEEE802.3at/bt Power Sourcing Equipment
POE21-240-R	IEEE802.3at	21W	1G	45~57VDC	21W	Work with any Layer 1 IEEE802.3at/bt Power Sourcing Equipment



	Standard	Power per port	Data Speed	Input Voltage	DC Output Power	Notes
POE45-120-R	non-IEEE	45W	1G	45~57VDC	45W	Work with 12.5K Detection, Phihong's POE90U-1BT series and POE60U-1BT series injectors
POE48-120BT-R	IEEE802.3bt	48W	1G	44~57VDC	48W	Work with 25K Detection, any Layer 1 IEEE802.3 Power Sourcing Equipment

Open-Frame & Fanless PSU

- Dual output for telecom application
- High surge protect performance
- Full protection (Over current/voltage/temperature & short circuit)



BM500 Series

Power Rated	Input Voltage	Output Voltage	Constant Current	Efficiency	Operating Temp	Storage Temp	Operation Humidity	Operating Altitude	Expected capacitor life time
476W	100~240V	12VDC, 54VDC	2.08A, 8.33A	Up to 94%@ 230V Full load,*1	0~50	-25~85	5~95	5000M	5Y/ 115V, 80%, 50C

*1=> Meet Titanium(non-redundant) @ Full Load / 230Vac



BM950 Series

Power Rated	Input Voltage	Output Voltage	Constant Current	Efficiency	Operating Temp	Storage Temp	Operation Humidity	Operating Altitude	Expected capacitor life time
950W	100~240V	12VDC, 54VDC	12.5A, 14.5A	Up to 94%@ 230V Full load,*1	0~50	-25~85	5~95	5000M	8Y/ 115V, 80%, 50C

*1=> Meet Titanium(non-redundant) @ Full Load / 230Vac



BM460 Series

Power Rated	Input Voltage	Output Voltage	Constant Current	Efficiency	Operating Temp	Storage Temp	Operation Humidity	Operating Altitude	Expected capacitor life time
460W	100~240V	12VDC, 54VDC	6.67A, 6.91A	Up to 94%@ 230V Full load,*1	0~50	-25~85	5~95	5000M	8Y/ 115V, 80%, 50C

*1=> Meet Titanium(non-redundant) @ Full Load / 230Vac



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