
Power Adapter and Charger

Power on and expanding horizons



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

Type A Adapter Series



- Standby Power < 75mW (no load)
- Energy efficiency DoE VII
- European CoC V5 Tier 2
- Class B EMI
- -H model is Halogen Free
- Universal Input
- USB Power Adapter

2.75Watt |



AQ03A-050A-R

AQ03A-050AW-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-----------------|
| 2.75W | 90~264V | 5V | 0.55A | 69.03% Min. | US | DoE VII |
| 2.75W | 90~264V | 5V | 0.55A | 69.03% Min. | US | DoE VII |



AQ03C-050A-R

AQ03C-050AW-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 2.75W | 90~264V | 5V | 0.55A | 69.03% Min. | CN | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 5V | 0.55A | 69.03% Min. | CN | DoE VII & CoC V5 Tier 2 |



AQ03E-050A-R

AQ03E-050AW-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 2.75W | 90~264V | 5V | 0.55A | 69.03% Min. | EU | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 5V | 0.55A | 69.03% Min. | EU | DoE VII & CoC V5 Tier 2 |



AQ03K-050A-R

AQ03K-050AW-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 2.75W | 90~264V | 5V | 0.55A | 69.03% Min. | UK | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 5V | 0.55A | 69.03% Min. | UK | DoE VII & CoC V5 Tier 2 |

Type A Adapter Series



AQ03S-050A-R

AQ03S-050AW-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 2.75W | 90~264V | 5V | 0.55A | 69.03% Min. | AU | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 5V | 0.55A | 69.03% Min. | AU | DoE VII & CoC V5 Tier 2 |

5Watt |



PSA05A-050QL6-H

PSA05A-050QL6W-H

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-----------------|
| 5W | 90~264V | 5V | 1A | 73.77% Min. | US | DoE VII |
| 5W | 90~264V | 5V | 1A | 73.77% Min. | US | DoE VII |



PSA05C-050QL6-H

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 5W | 90~264V | 5V | 1A | 73.77% Min. | CN | DoE VII & CoC V5 Tier 2 |



PSA05E-050QL6-H

PSA05E-050QL6W-H

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 5W | 90~264V | 5V | 1A | 73.77% Min. | EU | DoE VII & CoC V5 Tier 2 |
| 5W | 90~264V | 5V | 1A | 73.77% Min. | EU | DoE VII & CoC V5 Tier 2 |



PSA05K-050QL6-H

PSA05K-050QL6W-H

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 5W | 90~264V | 5V | 1A | 73.77% Min. | UK | DoE VII & CoC V5 Tier 2 |
| 5W | 90~264V | 5V | 1A | 73.77% Min. | UK | DoE VII & CoC V5 Tier 2 |

Type A Adapter Series



PSA05S-050QL6-H

PSA05S-050QL6W-H

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 5W | 90~264V | 5V | 1A | 73.77% Min. | AU | DoE VII & CoC V5 Tier 2 |
| 5W | 90~264V | 5V | 1A | 73.77% Min. | AU | DoE VII & CoC V5 Tier 2 |



PSAA05A-050QL6-R

PSAA05A-050QL6W-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-----------------|
| 5W | 90~264V | 5V | 1A | 73.77% Min. | US | DoE VII |
| 5W | 90~264V | 5V | 1A | 73.77% Min. | US | DoE VII |



PSAA05C-050QL6-R

PSAA05C-050QL6W-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 5W | 90~264V | 5V | 1A | 73.77% Min. | CN | DoE VII & CoC V5 Tier 2 |
| 5W | 90~264V | 5V | 1A | 73.77% Min. | CN | DoE VII & CoC V5 Tier 2 |



PSAA05E-050QL6-R

PSAA05E-050QL6W-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 5W | 90~264V | 5V | 1A | 73.77% Min. | EU | DoE VII & CoC V5 Tier 2 |
| 5W | 90~264V | 5V | 1A | 73.77% Min. | EU | DoE VII & CoC V5 Tier 2 |



PSAA05K-050QL6-R

PSAA05K-050QL6W-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 5W | 90~264V | 5V | 1A | 73.77% Min. | UK | DoE VII & CoC V5 Tier 2 |
| 5W | 90~264V | 5V | 1A | 73.77% Min. | UK | DoE VII & CoC V5 Tier 2 |

Type A Adapter Series



PSAA05S-050QL6-R

PSAA05S-050QL6W-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 5W | 90~264V | 5V | 1A | 73.77% Min. | AU | DoE VII & CoC V5 Tier 2 |
| 5W | 90~264V | 5V | 1A | 73.77% Min. | AU | DoE VII & CoC V5 Tier 2 |

10Watt |



AQ10A-050B-H

AQ10A-050BP-H

AQ10A-050BW-H

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|------------|--------|-----------------|
| 10W | 90~264V | 5V | 2A | 79% Min. | US | DoE VII |
| 10W | 90~264V | 5V | 2A | 79% Min. | US | DoE VII |
| 10W | 90~264V | 5V | 2A | 79% Min. | US | DoE VII |



AQ10E-050B-H

AQ10E-050BP-H

AQ10E-050BW-H

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|------------|--------|-------------------------|
| 10W | 90~264V | 5V | 2A | 79% Min. | EU | DoE VII & CoC V5 Tier 2 |
| 10W | 90~264V | 5V | 2A | 79% Min. | EU | DoE VII & CoC V5 Tier 2 |
| 10W | 90~264V | 5V | 2A | 79% Min. | EU | DoE VII & CoC V5 Tier 2 |



AQ10K-050B-H

AQ10K-050BW-H

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|------------|--------|-------------------------|
| 10W | 90~264V | 5V | 2A | 79% Min. | UK | DoE VII & CoC V5 Tier 2 |
| 10W | 90~264V | 5V | 2A | 79% Min. | UK | DoE VII & CoC V5 Tier 2 |



AQ10S-050B-H

AQ10S-050BW-H

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|------------|--------|-------------------------|
| 10W | 90~264V | 5V | 2A | 79% Min. | AU | DoE VII & CoC V5 Tier 2 |
| 10W | 90~264V | 5V | 2A | 79% Min. | AU | DoE VII & CoC V5 Tier 2 |

USB 3.0 Type C Power Delivery Adapter Series



- Energy efficiency DoE VII
- European CoC V5 Tier 2
- ESD and Surge protection
- Universal Input
- Class B EMI
- -H model is Halogen Free

15Watt | PD3.0



AQ15A-050A-H

AQ15A-050AW-H

| Fast Charging | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|---------------|--------------|---------------|----------------|----------------|-------------|--------|-----------------|
| PD 3.0 | 15W | 90~264V | 5V | 3A | 81.84% Min. | US | DoE VII |
| PD 3.0 | 15W | 90~264V | 5V | 3A | 81.84% Min. | US | DoE VII |



AQ15E-050A-H

AQ15E-050AW-H

| Fast Charging | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|---------------|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| PD 3.0 | 15W | 90~264V | 5V | 3A | 81.84% Min. | EU | DoE VII & CoC V5 Tier 2 |
| PD 3.0 | 15W | 90~264V | 5V | 3A | 81.84% Min. | EU | DoE VII & CoC V5 Tier 2 |

18Watt | PD3.0



AQ18A-59A-H

AQ18A-59CFA-H

| Fast Charging | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|---------------|--------------|---------------|------------------------|--------------------------|--|--------|-----------------|
| PD 3.0 | 18W | 90~264V | 5V 9V | 3A 2A | 81.84% Min. 85.45% Min. | US | DoE VII |
| PD 3.0 | 18W | 90~264V | 5V 9V 12V 15V | 3A 2A 1.5A 1.2A | 81.84% Min. 85.45% Min. 85.452% Min. | US | DoE VII |

USB 3.0 Type C Power Delivery Adapter Series



AQ18E-59A-H

| Fast Charging | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|---------------|--------------|---------------|------------------------|--------------------------|--|--------|-------------------------|
| PD 3.0 | 18W | 90~264V | 5V 9V | 3A 2A | 81.84% Min. 85.45% Min. | EU | DoE VII & CoC V5 Tier 2 |
| PD 3.0 | 18W | 90~264V | 5V 9V 12V 15V | 3A 2A 1.5A 1.2A | 81.84% Min. 85.45% Min. 85.452% Min. 85.452% Min. | EU | DoE VII & CoC V5 Tier 2 |



AQ18K-59A-H

| Fast Charging | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|---------------|--------------|---------------|------------------------|--------------------------|--|--------|-------------------------|
| PD 3.0 | 18W | 90~264V | 5V 9V | 3A 2A | 81.84% Min. 85.45% Min. | UK | DoE VII & CoC V5 Tier 2 |
| PD 3.0 | 18W | 90~264V | 5V 9V 12V 15V | 3A 2A 1.5A 1.2A | 81.84% Min. 85.45% Min. 85.452% Min. 85.452% Min. | UK | DoE VII & CoC V5 Tier 2 |

27Watt | PD3.0



AQ27A-59A-H

| Fast Charging | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|---------------|--------------|---------------|------------------------|---------------------------|--|--------|-----------------|
| PD 3.0 | 27W | 90~264V | 5V 9V | 3A | 81.84% Min. 87.30% Min. | US | DoE VI |
| PD 3.0 | 27W | 90~264V | 5V 9V 12V 15V | 3A 3A 2.25A 1.8A | 81.84% Min. 87.30% Min. 87.30% Min. 87.30% Min. | US | DoE VI |

USB 3.0 Type C Power Delivery Adapter Series



AQ27E-59A-H

| Fast Charging | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|---------------|--------------|---------------|------------------------|---------------------------|--|--------|------------------------|
| PD 3.0 | 27W | 90~264V | 5V 9V | 3A | 81.84% Min. 87.30% Min. | EU | DoE VI & CoC V5 Tier 2 |
| PD 3.0 | 27W | 90~264V | 5V 9V 12V 15V | 3A 3A 2.25A 1.8A | 81.84% Min. 87.30% Min. 87.30% Min. 87.30% Min. | EU | DoE VI & CoC V5 Tier 2 |



AQ27K-59A-H

| Fast Charging | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|---------------|--------------|---------------|------------------------|---------------------------|--|--------|------------------------|
| PD 3.0 | 27W | 90~264V | 5V 9V | 3A | 81.84% Min. 87.30% Min. | UK | DoE VI & CoC V5 Tier 2 |
| PD 3.0 | 27W | 90~264V | 5V 9V 12V 15V | 3A 3A 2.25A 1.8A | 81.84% Min. 87.30% Min. 87.30% Min. 87.30% Min. | UK | DoE VI & CoC V5 Tier 2 |

45Watt | PD3.0



AA45A-59FKD-RW

| Fast Charging | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|---------------|--------------|---------------|------------------------|-------------------------|--|--------|-----------------|
| PD 3.0 | 45W | 90~264V | 5V 9V 15V 20V | 3A 3A 3A 3.25A | 81.84% Min. 87.30% Min. 88.85% Min. 88.85% Min. | US | DoE VI |

USB 3.0 Type C Power Delivery Adapter Series



AA45E-59FKD-RW

| Fast Charging | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|---------------|--------------|---------------|------------------------|-------------------------|--|--------|------------------------|
| PD 3.0 | 45W | 90~264V | 5V 9V 15V 20V | 3A 3A 3A 3.25A | 81.84% Min. 87.30% Min. 88.85% Min. 88.85% Min. | EU | DoE VI & CoC V5 Tier 3 |



AA45K-59FKD-RW

| Fast Charging | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|---------------|--------------|---------------|------------------------|-------------------------|--|--------|------------------------|
| PD 3.0 | 45W | 90~264V | 5V 9V 15V 20V | 3A 3A 3A 3.25A | 81.84% Min. 87.30% Min. 88.85% Min. 88.85% Min. | UK | DoE VI & CoC V5 Tier 3 |

USB 3.0 Power Delivery Adapter Series



60Watt/ 65Watt | PD3.0



AA60M-59FKA-R

| Fast Charging | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|---------------|--------------|---------------|------------------------|----------------|---|----------------------------------|-------------------------|
| PD 3.0 | 60W | 90~264V | 5V 9V 15V 20V | 3A | 81.84% Min. 87.30% Min. 88.85% Min. 89% Min. | Desk-Top AC/DC INLET 3 PIN | DoE VII & CoC V5 Tier 2 |



AA60W-59FKA-R

| Fast Charging | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|---------------|--------------|---------------|------------------------|----------------|---|----------------------------------|-------------------------|
| PD 3.0 | 60W | 90~264V | 5V 9V 15V 20V | 3A | 81.84% Min. 87.30% Min. 88.85% Min. 89% Min. | Desk-Top AC/DC INLET 2 PIN | DoE VII & CoC V5 Tier 2 |



AA65M-59FKA-R

| Fast Charging | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|---------------|--------------|---------------|------------------------|-------------------------|---|----------------------------------|-------------------------|
| PD 3.0 | 65W | 90~264V | 5V 9V 15V 20V | 3A 3A 3A 3.25A | 81.84% Min. 87.30% Min. 88.85% Min. 89% Min. | Desk-Top AC/DC INLET 3 PIN | DoE VII & CoC V5 Tier 2 |



AA65W-59FKA-R

| Fast Charging | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|---------------|--------------|---------------|------------------------|-------------------------|---|----------------------------------|-------------------------|
| PD 3.0 | 65W | 90~264V | 5V 9V 15V 20V | 3A 3A 3A 3.25A | 81.84% Min. 87.30% Min. 88.85% Min. 89% Min. | Desk-Top AC/DC INLET 2 PIN | DoE VII & CoC V5 Tier 2 |

Desktop Adapter Series



- Non-Vented Case
- US DoE Level VI Efficiency Compliance
- Ecodesig n/ErP Lot 7 (EU) 2019/1782 Compliance
- EU CoC Ver 5 Tier 2 Compliance
- Class B EMI
- 5,000 Meter Operating Altitude

18Watt |



PSAA18U-120L6-R

| Converter | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | DoE & CoC Level |
|-----------|--------------|---------------|----------------|----------------|------------|-------------------------|
| C14 | 18W | 90~264V | 12V | 1.5A | 85% Min. | DoE VII & CoC V5 Tier 2 |
| C14 | 18W | 90~264V | 15V | 1.2A | 85% Min. | DoE VI & CoC V5 Tier 2 |
| C14 | 18W | 90~264V | 24V | 0.75A | 85% Min. | DoE VI & CoC V5 Tier 2 |
| C14 | 18W | 90~264V | 48V | 0.38A | 85% Min. | DoE VII & CoC V5 Tier 2 |

PSAA18U-150L6-R

PSAA18U-240L6-R

PSAA18U-480L6-R

30Watt |



PSAC30U-090L6-R

| Converter | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | DoE & CoC Level |
|-----------|--------------|---------------|----------------|----------------|-------------|-------------------------|
| C14 | 27W | 90~264V | 9V | 3A | 86.62% Min. | DoE VI & CoC V5 Tier 2 |
| C14 | 30W | 90~264V | 12V | 2.5A | 87.7% Min. | DoE VII & CoC V5 Tier 2 |
| C14 | 30W | 90~264V | 24V | 1.25A | 87.7% Min. | DoE VII & CoC V5 Tier 2 |
| C14 | 30W | 90~264V | 48V | 0.625A | 87.7% Min. | DoE VI & CoC V5 Tier 2 |
| C14 | 30W | 90~264V | 56V | 0.536A | 87.7% Min. | DoE VII & CoC V5 Tier 2 |

PSAC30U-120L6-R

PSAC30U-240L6-R

PSAC30U-480L6-R

PSAC30U-560L6-R

Desktop Adapter Series



36Watt |



AA36U-120A-R

| Converter | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | DoE & CoC Level |
|-----------|--------------|---------------|----------------|----------------|------------|------------------------|
| C14 | 36W | 90~264V | 12V | 3A | 88.3% Min. | DoE VI & CoC V5 Tier 2 |

65Watt |



AA65M-120A-R

AA65M-180A-R

AA65M-190A-R

AA65M-240A-R

AA65M-480A-R

AA65M-540A-R

| Converter | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | DoE & CoC Level |
|-----------|--------------|---------------|----------------|----------------|------------|-------------------------|
| C6 | 65W | 90~264V | 12V | 5.41A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C6 | 65W | 90~264V | 18V | 3.61A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C6 | 65W | 90~264V | 19V | 3.42A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C6 | 65W | 90~264V | 24V | 2.7A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C6 | 65W | 90~264V | 48V | 1.35A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C6 | 65W | 90~264V | 54V | 1.2A | 89% Min. | DoE VII & CoC V5 Tier 2 |



AA65W-120A-R

AA65W-180A-R

AA65W-190A-R

AA65W-240A-R

AA65W-480A-R

AA65W-540A-R

| Converter | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | DoE & CoC Level |
|-----------|--------------|---------------|----------------|----------------|------------|-------------------------|
| C8 | 65W | 90~264V | 12V | 5.41A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C8 | 65W | 90~264V | 18V | 3.61A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C8 | 65W | 90~264V | 19V | 3.42A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C8 | 65W | 90~264V | 24V | 2.7A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C8 | 65W | 90~264V | 48V | 1.35A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C8 | 65W | 90~264V | 54V | 1.2A | 89% Min. | DoE VII & CoC V5 Tier 2 |

Desktop Adapter Series



AA65U-120A-R

AA65U-180A-R

AA65U-190A-R

AA65U-240A-R

AA65U-480A-R

AA65U-540A-R

| Converter | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | DoE & CoC Level |
|-----------|--------------|---------------|----------------|----------------|------------|-------------------------|
| C14 | 65W | 90~264V | 12V | 5.41A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C14 | 65W | 90~264V | 18V | 3.61A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C14 | 65W | 90~264V | 19V | 3.42A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C14 | 65W | 90~264V | 24V | 2.7A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C14 | 65W | 90~264V | 48V | 1.35A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C14 | 65W | 90~264V | 54V | 1.2A | 89% Min. | DoE VII & CoC V5 Tier 2 |

90Watt |



AA90U-120B-R

AA90U-190B-R

AA90U-240B-R

AA90U-480B-R

AA90U-540B-R

| Converter | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | DoE & CoC Level |
|-----------|--------------|---------------|----------------|----------------|------------|-------------------------|
| C14 | 90W | 90~264V | 12V | 7.5A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C14 | 90W | 90~264V | 19V | 4.74A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C14 | 90W | 90~264V | 24V | 3.75A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C14 | 90W | 90~264V | 48V | 1.875A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C14 | 90W | 90~264V | 54V | 1.67A | 89% Min. | DoE VII & CoC V5 Tier 2 |

Desktop Adapter Series



120Watt |



AA120U-120B-R

| Converter | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | DoE & CoC Level |
|-----------|--------------|---------------|----------------|----------------|------------|-------------------------|
| C14 | 120W | 90~264V | 12V | 9A | 89% Min. | DoE VI & CoC V5 Tier 2 |
| C14 | 120W | 90~264V | 24V | 5A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C14 | 120W | 90~264V | 48V | 2.5A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C14 | 120W | 90~264V | 54V | 2.22A | 89% Min. | DoE VII & CoC V5 Tier 2 |

AA120U-240B-R

AA120U-480B-R

AA120U-540B-R

150Watt |



AA150M-190B-R

| Converter | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | DoE & CoC Level |
|-----------|--------------|---------------|----------------|----------------|------------|-------------------------|
| C6 | 150W | 90~264V | 19V | 7.9A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C6 | 150W | 90~264V | 24V | 6.25A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C6 | 150W | 90~264V | 48V | 3.125A | 89% Min. | DoE VII & CoC V5 Tier 2 |
| C6 | 150W | 90~264V | 54V | 2.778A | 89% Min. | DoE VII & CoC V5 Tier 2 |

AA150M-240B-R

AA150M-480B-R

AA150M-540B-R

Wall-mount Adapter Series



- Energy efficiency DoE VI/ DoE VII
- European CoC V5 Tier 2
- Universal Input
- Class B EMI
- Optional connector type available

2.75Watt |



AA03A-050A-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-----------------|
| 2.75W | 90~264V | 5V | 0.55A | 68.95% Min. | US | DoE VII |
| 2.75W | 90~264V | 5V | 0.55A | 68.95% Min. | US | DoE VII |
| 2.75W | 90~264V | 7.5V | 0.366A | 73.87% Min. | US | DoE VII |
| 2.75W | 90~264V | 9V | 0.306A | 73.87% Min. | US | DoE VII |
| 2.75W | 90~264V | 12V | 0.229A | 73.87% Min. | US | DoE VII |

AA03A-050A(M)-R

AA03A-075A-R

AA03A-090A-R

AA03A-120A-R



AA03C-050A-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 2.75W | 90~264V | 5V | 0.55A | 68.95% Min. | CN | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 5V | 0.55A | 68.95% Min. | CN | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 7.5V | 0.366A | 73.87% Min. | CN | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 9V | 0.306A | 73.87% Min. | CN | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 12V | 0.229A | 73.87% Min. | CN | DoE VII & CoC V5 Tier 2 |

AA03C-050A(M)-R

AA03C-075A-R

AA03C-090A-R

AA03C-120A-R



AA03E-050A-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 2.75W | 90~264V | 5V | 0.55A | 68.95% Min. | EU | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 5V | 0.55A | 68.95% Min. | EU | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 7.5V | 0.366A | 73.87% Min. | EU | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 9V | 0.306A | 73.87% Min. | EU | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 12V | 0.229A | 73.87% Min. | EU | DoE VII & CoC V5 Tier 2 |

AA03E-050A(M)-R

AA03E-075A-R

AA03E-090A-R

AA03E-120A-R

Wall-mount Adapter Series



AA03K-050A-R

AA03K-050A(M)-R

AA03K-075A-R

AA03K-090A-R

AA03K-120A-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 2.75W | 90~264V | 5V | 0.55A | 68.95% Min. | UK | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 5V | 0.55A | 68.95% Min. | UK | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 7.5V | 0.366A | 73.87% Min. | UK | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 9V | 0.306A | 73.87% Min. | UK | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 12V | 0.229A | 73.87% Min. | UK | DoE VII & CoC V5 Tier 2 |



AA03S-050A-R

AA03S-050A(M)-R

AA03S-075A-R

AA03S-090A-R

AA03S-120A-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 2.75W | 90~264V | 5V | 0.55A | 68.95% Min. | AU | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 5V | 0.55A | 68.95% Min. | AU | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 7.5V | 0.366A | 73.87% Min. | AU | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 9V | 0.306A | 73.87% Min. | AU | DoE VII & CoC V5 Tier 2 |
| 2.75W | 90~264V | 12V | 0.229A | 73.87% Min. | AU | DoE VII & CoC V5 Tier 2 |

5Watt |



PSAC05A-050L6-R

PSAC05A-050L6M-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-----------------|
| 5W | 90~264V | 5V | 1A | 73.77% Min. | US | DoE VII |
| 5W | 90~264V | 5V | 1A | 73.77% Min. | US | DoE VII |

Wall-mount Adapter Series



PSAC05E-050L6-R

PSAC05E-050L6M-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 5W | 90~264V | 5V | 1A | 73.77% Min. | EU | DoE VII & CoC V5 Tier 2 |
| 5W | 90~264V | 5V | 1A | 73.77% Min. | EU | DoE VII & CoC V5 Tier 2 |



PSAC05K-050L6-R

PSAC05K-050L6M-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 5W | 90~264V | 5V | 1A | 73.77% Min. | UK | DoE VII & CoC V5 Tier 2 |
| 5W | 90~264V | 5V | 1A | 73.77% Min. | UK | DoE VII & CoC V5 Tier 2 |

10Watt |



AA10A-050A-R

AA10A-050A(M)-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|------------|--------|-----------------|
| 10W | 90~264V | 5V | 2A | 79% Min. | US | DoE VII |
| 10W | 90~264V | 5V | 2A | 79% Min. | US | DoE VII |



AA10E-050A-R

AA10E-050A(M)-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|------------|--------|-------------------------|
| 10W | 90~264V | 5V | 2A | 79% Min. | EU | DoE VII & CoC V5 Tier 2 |
| 10W | 90~264V | 5V | 2A | 79% Min. | EU | DoE VII & CoC V5 Tier 2 |

Wall-mount Adapter Series



AA10K-050A-R

AA10K-050A(M)-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|------------|--------|-------------------------|
| 10W | 90~264V | 5V | 2A | 79% Min. | UK | DoE VII & CoC V5 Tier 2 |
| 10W | 90~264V | 5V | 2A | 79% Min. | UK | DoE VII & CoC V5 Tier 2 |



AA10S-050A-R

AA10S-050A(M)-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|------------|--------|-------------------------|
| 10W | 90~264V | 5V | 2A | 79% Min. | AU | DoE VII & CoC V5 Tier 2 |
| 10W | 90~264V | 5V | 2A | 79% Min. | AU | DoE VII & CoC V5 Tier 2 |



PSM10A-050A-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|------------|--------|-----------------|
| 10W | 90~264V | 5V | 2A | 79% Min. | US | DoE VII |

12Watt |



PSAC12A-050-R

PSAC12A-060-R

PSAC12A-075-R

PSAC12A-090-R

PSAC12A-120-R

PSAC12A-150-R

PSAC12A-240-R

PSAC12A-480-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-----------------|
| 12W | 90~264V | 5V | 2.4A | 79.94% Min. | US | DoE VII |
| 12W | 90~264V | 5.9V | 2A | 79.83% Min. | US | DoE VII |
| 12W | 90~264V | 7.5V | 1.6A | 82.94% Min. | US | DoE VII |
| 12W | 90~264V | 9V | 1.33A | 82.94% Min. | US | DoE VII |
| 12W | 90~264V | 12V | 1A | 83.26% Min. | US | DoE VII |
| 12W | 90~264V | 15V | 0.8A | 82.96% Min. | US | DoE VII |
| 12W | 90~264V | 24V | 0.5A | 82.96% Min. | US | DoE VII |
| 12W | 90~264V | 48V | 0.25A | 82.96% Min. | US | DoE VII |

Wall-mount Adapter Series



15Watt |



AQ15A-050B-H

AQ15A-050B-HW

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-----------------|
| 15W | 90~264V | 5V | 3A | 81.84% Min. | US | DoE VII |
| 15W | 90~264V | 5V | 3A | 81.84% Min. | US | DoE VII |



AQ15E-050B-H

AQ15E-050B-HW

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 15W | 90~264V | 5V | 3A | 81.84% Min. | EU | DoE VII & CoC V5 Tier 2 |
| 15W | 90~264V | 5V | 3A | 81.84% Min. | EU | DoE VII & CoC V5 Tier 2 |



AQ15K-050B-H

AQ15K-050B-HW

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 15W | 90~264V | 5V | 3A | 81.84% Min. | UK | DoE VII & CoC V5 Tier 2 |
| 15W | 90~264V | 5V | 3A | 81.84% Min. | UK | DoE VII & CoC V5 Tier 2 |



AQ15S-050B-H

AQ15S-050B-HW

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|--------|-------------------------|
| 15W | 90~264V | 5V | 3A | 81.84% Min. | AU | DoE VII & CoC V5 Tier 2 |
| 15W | 90~264V | 5V | 3A | 81.84% Min. | AU | DoE VII & CoC V5 Tier 2 |

Wall-mount Adapter Series



| | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | AC Pin | DoE & CoC Level |
|-----------------------|--------------|---------------|----------------|----------------|-------------|--------|-----------------|
| PSC15A-050-R | 15W | 90~264V | 5V | 3A | 81.38% Min. | US | DoE VII |
| PSC15A-060-R | 15W | 90~264V | 5.9V | 2.5A | 81.27% Min. | US | DoE VI |
| PSC15A-075-R | 15W | 90~264V | 7.5V | 2A | 84.12% Min. | US | DoE VII |
| PSC15A-090-R | 15W | 90~264V | 9V | 1.67A | 84.12% Min. | US | DoE VII |
| PSA15A-120P6-R | 15W | 90~264V | 12V | 1.25A | 84.12% Min. | US | DoE VII |
| PSA15A-150P6-R | 15W | 90~264V | 15V | 1A | 84.12% Min. | US | DoE VII |
| PSA15A-240P6-R | 15W | 90~264V | 24V | 0.63A | 84.12% Min. | US | DoE VII |
| PSA15A-480P6-R | 15W | 90~264V | 48V | 0.3A | 84.08% Min. | US | DoE VII |

R-Series Adapter



- Energy efficiency DoE VI/ DoE VII
- European CoC V5 Tier 2
- Interchangeable mains connectors
- Double insulated design
- Class B EMI
- cUL / UL / TUV / SAA / CE / C-Tick Safety approvals

AC Clips



5Watt |



PSAI05R-050QL6-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|-------------------------|
| 5W | 90~264V | 5V | 1A | 73.78% Min. | DoE VII & CoC V5 Tier 2 |



PSAC05R-050L6-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|-------------------------|
| 5W | 90~264V | 5V | 1A | 73.77% Min. | DoE VII & CoC V5 Tier 2 |

10Watt |



PSAF10R-050QA-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | DoE & CoC Level |
|--------------|---------------|----------------|----------------|------------|-------------------------|
| 10W | 230V | 5V | 2A | 79% Min. | DoE VII & CoC V5 Tier 2 |

R-Series Adapter



PSM10R-050A-R

PSM10R-050A(M)-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | DoE & CoC Level |
|--------------|---------------|----------------|----------------|------------|-------------------------|
| 10W | 90~264V | 5V | 2A | 79% Min. | DoE VII & CoC V5 Tier 2 |
| 10W | 90~264V | 5V | 2A | 79% Min. | DoE VII & CoC V5 Tier 2 |

12Watt |



PSAC12R-050-R

PSAC12R-060-R

PSAC12R-075-R

PSAC12R-090-R

PSAC12R-120-R

PSAC12R-150-R

PSAC12R-240-R

PSAC12R-480-R

| Output Power | Input Voltage | Output Voltage | Output current | Efficiency | DoE & CoC Level |
|--------------|---------------|----------------|----------------|-------------|-------------------------|
| 12W | 90~264V | 5V | 2.4A | 79.94% Min. | DoE VII & CoC V5 Tier 2 |
| 12W | 90~264V | 5.9V | 2A | 79.83% Min. | DoE VII & CoC V5 Tier 2 |
| 12W | 90~264V | 7.5V | 1.6A | 82.96% Min. | DoE VII |
| 12W | 230V | 9V | 1.33A | 82.94% Min. | DoE VII & CoC V5 Tier 2 |
| 12W | 90~264V | 12V | 1A | 83.26% Min. | DoE VII & CoC V5 Tier 2 |
| 12W | 90~264V | 15V | 0.8A | 82.96% Min. | DoE VI |
| 12W | 90~264V | 24V | 0.5A | 82.96% Min. | DoE VII & CoC V5 Tier 2 |
| 12W | 90~264V | 48V | 0.25A | 82.96% Min. | DoE VII & CoC V5 Tier 2 |

R-Series Adapter



15Watt |



| | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | DoE & CoC Level |
|-----------------------|--------------|---------------|----------------|----------------|-------------|-------------------------|
| PSC15R-050-R | 15W | 230V | 5V | 3A | 81.38% Min. | DoE VII & CoC V5 Tier 2 |
| PSC15R-060-R | 15W | 90~264V | 6V | 2.5A | 84.13% Min. | DoE VI |
| PSC15R-075-R | 15W | 90~264V | 7.5V | 2A | 84.13% Min. | DoE VII |
| PSC15R-090-R | 15W | 90~264V | 9V | 1.67A | 84.13% Min. | DoE VII |
| PSA15R-120P6-R | 15W | 90~264V | 12V | 1.25A | 84.12% Min. | DoE VII & CoC V5 Tier 2 |
| PSA15R-150P6-R | 15W | 90~264V | 15V | 1A | 84.12% Min. | DoE VII & CoC V5 Tier 2 |
| PSA15R-240P6-R | 15W | 90~264V | 24V | 0.62A | 84.12% Min. | DoE VII & CoC V5 Tier 2 |
| PSA15R-480P6-R | 15W | 90~264V | 48V | 0.31A | 84.12% Min. | DoE VII |

20Watt |



| | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | DoE & CoC Level |
|------------------------|--------------|---------------|----------------|----------------|-------------|-------------------------|
| PSAA20R-050L6-R | 20W | 90~264V | 5V | 4A | 83.08% Min. | DoE VII & CoC V5 Tier 2 |
| AA20R-120A-R | 20W | 90~264V | 12V | 1.67A | 85.47% Min. | DoE VII & CoC V5 Tier 2 |
| AA20R-240A-R | 20W | 90~264V | 24V | 0.83A | 85.47% Min. | DoE VII & CoC V5 Tier 2 |
| AA20R-480A-R | 20W | 90~264V | 48V | 0.42A | 85.47% Min. | DoE VII & CoC V5 Tier 2 |

30Watt |



| | Output Power | Input Voltage | Output Voltage | Output current | Efficiency | DoE & CoC Level |
|----------------------|--------------|---------------|----------------|----------------|-------------|-------------------------|
| PSAA30R-120-R | 30W | 90~264V | 12V | 2.5A | 86.95% Min. | DoE VII & CoC V5 Tier 2 |
| PSAA30R-150-R | 30W | 90~264V | 15V | 2A | 86.95% Min. | DoE VII |
| PSAA30R-240-R | 30W | 90~264V | 24V | 1.25A | 86.95% Min. | DoE VII |



Headquarters

Phihong Technology Co., Ltd

📍 No.568,Fuxing 3rd Rd.,Guishan Dist., Taoyuan City 33383, Taiwan,R.O.C.

☎ +886-3-327-7288

✉ phsales@phihong.com.tw

🌐 www.phihong.com.tw



CN | Jiangxi, Dongguan

Phihong China

📍 Science & Technology Rd., Silver Lake Industrial Area Qingxi Town, Dong Guan City, Guang Dong , China

☎ +86-768-86817888

✉ phsales@phihong.com.tw



EU | Amsterdam

Phihong Europe

📍 Spaces Zuidas II Barbara Strozziilaan 201, Amsterdam, Netherlands

☎ +31(0)20-2402400

✉ sales@phihongeu.com

🌐 www.phihong-lighting.com



US | Fremont, New York

Phihong USA

📍 47800 Fremont Blvd.Fremont, CA, USA

☎ +1-510-445-0100

✉ usasales@phihongusa.com

🌐 www.phihongusa.com



JP | Tokyo

Phihong Japan

📍 VORT Toyo-cho Bldg 5F, 3-23-24 Toyo, Koto-ku, Tokyo 135-0016 Japan

☎ +81-3-5677-1678

✉ phsales@phihong.com.tw

🌐 www.phihong.co.jp



VT | Hai Phong

Phihong Vietnam

📍 Lot CN5 An Duong Industrial Zone, Hong Phong Commune, An Duong County, Hai Phong City, Vietnam

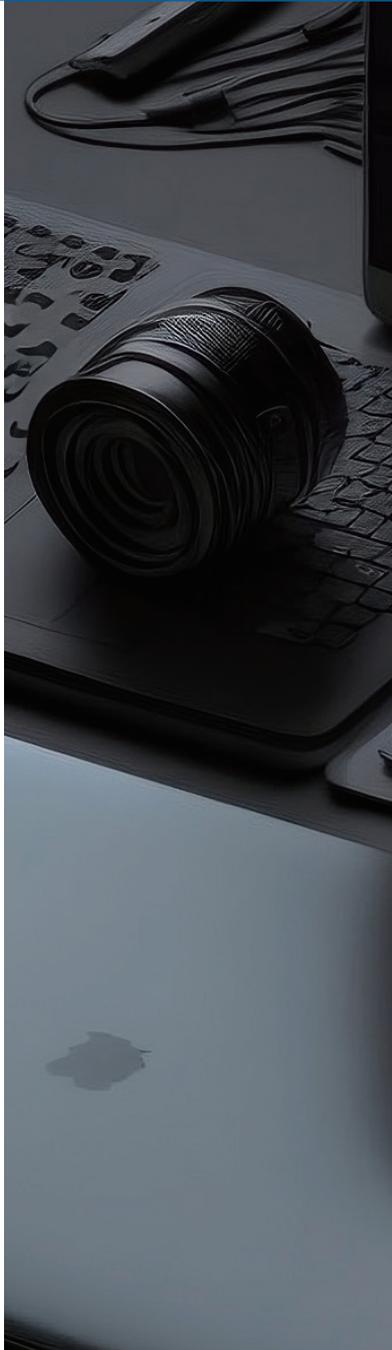
☎ +84-22526-58899

✉ phsales@phihong.com.tw

🌐 www.phihong.com.tw

NOTES

A series of horizontal lines for writing notes, consisting of solid blue lines and dotted blue lines. The page is divided into sections by solid blue lines. At the bottom, there are three decorative curved lines in light blue, light purple, and light green.



Infinite energy possibilities!



phihong.com.tw

© 2023 Phihong Technology Co., Ltd. All Rights Reserved.

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please contact our sales person for product details.