



# PHIHONG 12V High Efficiency Adaptor Series

The 12V high efficiency adaptor series which meet the DoE 6 efficiency requirements are the latest offering from a world leader in charging adapter technology and manufacturing - Phihong Technology. Phihong Technology has more than 40 years of professional power supply design and manufacturing experience, we ensure our products meet or exceed all the industry performance and safety requirements.

Phihong high efficiency 12V adaptor series are designed to work with most 12V powered networking communication devices, e.g. Router, Switch, Set-Top Box (STB) and other 12V powered devices. Our 12V adaptor series meet DoE level 6 and/or CoC V5 tier 2 energy efficiency requirements and conforms to most of the industry standards. We offer 6W, 12W, 18W, 24W and 36W as standard products in the series.



PSAA06



PSAA12



PSAC18 / PSAC24



PSM03



PSAC12 / PSA15

## Features

- All models meet DoE Level VI
- PSAA06x, PSAA12x, PSAC18x, PSAC24x meet CoC V5 tier 2
- Wide input range, 90~264V
- Tight output regulation
- Full rated output wattage
- Various DC connector types available
- Black matted surface finish (white optional)
- Plug type available for US, EU, UK, Australia and China

## Protections

- ESD and Surge protection
- Over voltage protection (OVP)
- Over current protection (OCP)
- Short circuit protection (SCP)
- Over temperature protection (OTP)

BA03 PHT161221



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## Specification

Model Name	PSAA06x-120L6-R	PSAA12x-120L6-R	PSAC18x-120L6-R	PSAC24x-120L6-R
AC input range	90 ~ 264Vac	90 ~ 264Vac	90 ~ 264Vac	90 ~ 264Vac
AC input frequency	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz	50 ~ 60 Hz
AC input current	0.2A RMS max at 115V	0.5A RMS max at 100V	0.5A RMS max at 100V	0.6A RMS max at 100V
Output power	6	12	18	24
Output	12V / 0.5A	12V / 1A	12V / 1.5A	12V / 2A
Ripple & Noise	240mV <sub>PK</sub> – PK	280mV <sub>PK</sub> – PK	240mV <sub>PK</sub> – PK	240mV <sub>PK</sub> – PK
Standby power	≤ 75mW	≤ 75mW	≤ 75mW	≤ 75mW
Operating temperature	0°C ~ +40°C	0°C ~ +40°C	0°C ~ +40°C	0°C ~ +40°C
Efficiency	DoE 6, CoC V5 T2			
Dimension (US)	66.5 x 39 x 28 mm	71.2 x 46 x 34 mm	83.5 x 53.3 x 35 mm	83.5 x 53.3 x 35 mm
Plug type	x= A, E	x= A, E	x= A	x= A, E, K, S, C

A= US, E=EU, K=UK, S=Australia, C=China.

Output power	Output current	Model name	Plug type
2.75	0.23	PSM03A-120-R	US
6	0.5	PSAA06A-120L6-R	US
6	0.5	*PSAA06B-120(PH)-R	Brazil
12	1	PSAA12x-120L6-R	x=A, E
12	1	*PSAA12B-120(PH)-R	Brazil
12	1	PSAC12A-120-R	US
15	1.25	PSA15A-120P6-R	US
18	1.5	PSAC18A-120L6-R	US
18	1.5	*PSAC18B-120DPH-R	Brazil
24	2	PSAC24x-120L6-R	x=A, E, K, S, C
24	2	*PSAC24B-120(PH)-R	Brazil
36	3	PSA36x-120L6-R	x=A, E, K
12	1	AA12A-120A-R	US
18	1.5	AA18A-120x-R	US; x=A, E; A: Surge 6KV; E: Surge 1KV
18	1.5	AA18x-120B-R	x=A, E, K, S
30	2.5	AA30x-120A-R	x=A, E

\* Please inquire us about DOE Level VI upgrade plan.

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