



12V/6W DoE VI Fixed Pin Adapter

PSAA06A-120L6-R

● 12V/0.5A ● DoE VI & CoC V5 T2 ● Fixed Pin ● Wire ● Black



The 12V/0.5A adaptor is the latest offering from a world leader in charging adapter technology and manufacturing - Phihong Technology. Phihong 12V/0.5A value adaptor is designed to work with most 12V powered networking communication devices, such as Router, Switch, Set-Top Box (STB) and other 12V powered devices. Our 12V value adaptor conforms to most of the industry standards and meets DoE level 6 energy efficiency requirements, we ensure our products meet or exceed all the industry performance and safety requirements.

Features :

Efficiency	DoE Level VI & CoC V5 Tier 2 (78.9% min)
Power Saving	0.075W @ no load, 115Vac/60Hz & 230Vac/50Hz
Protection	OVP (20.4V), OCP (1A)
Turn-On Delay Time	<3 sec at min/max AC power on
Hold-up Time	>10mS @ max load, 115Vac, 25°C
Dynamic Response	±10% max, @ 90~264Vac, 25°C
	Rise rate = 0.5A/us, Fall rate = 0.5A/us
	(Load transient: 20% → 80% → 20%)
	T _{high} = 1mS, T _{low} = 1mS
Isolation	Primary to Secondary 3000Vac, 10mA for 1min.
Insulation	Primary to Secondary >10M ohm 500Vdc
Dimension	US : 66.5*36*28 (mm)
Weight	57 (g)

Electrical Specifications :

Input Voltage	100~240Vac (90~264Vac min/max)
Frequency	50/60Hz Nom (47~63Hz min/max)
Input Current	0.2A (RMS) max @ 115Vac
	0.1A (RMS) max @ 230Vac
Output Voltage	12V,
Output Current	0.5A
Maximum Output Power	6W continuous
Output Ripple & Noise	240mV (pk-pk) @25°C and 115 & 230Vac
Output Regulation	±5%
Leakage Current	<0.25mA max @ 264Vac
Inrush Current	<40A max @ 115Vac/60Hz, 25°C, Max load
	<60A max @ 230Vac/50Hz, 25°C, Max load
Capacitive Load	3300uF @ Von=2V (CC mode), 100~240Vac

Environmental Specifications :

Operating Temperature	0°C ~ +40°C
Storage Temperature	-25°C ~ +85°C
Operating Humidity	10% ~ 90% RH
Storage Humidity	5% ~ 95% RH
E Cap Life	10,000 Hrs. min @ 80% load, 100/220Vac, 40°C
MTBF	400K Hrs min. @100Vac, Full load, 40°C
	(Telcordia SR-332, issue2)

Safety and Compliance :

UL60950-1 approved
EMI: EN55022 class B, FCC class B
ESD : Air ±15kV, Contact: ±8kV E61000-4-2, Criteria B
Surge immunity: ±1kV (L-L), ±2kV (L-G) EN61000-4-5, Criteria B
RS: EN61000-4-3, Criteria A
EFT/B: EN61000-4-4, Criteria B
CS: EN61000-4-6, Criteria A
PFMF: EN61000-4-8, Criteria A
Voltage Dip: EN61000-4-11, Criteria B,C

Note:

- Measurements shall be made with an oscilloscope with 20MHz bandwidth. Output shall be bypassed at a connector with a 0.1uF ceramic capacitor and a 10uF low ESR electrolytic capacitor.
- Efficiency: Measure efficiency at 100%, 75%, 50%, 25% load after burn-in 30 minutes at 100% load, then compute the arithmetic average of these 4 values.



PHIHONG TECHNOLOGY CO., LTD.

- +886-3-3277288
- www.phihong.com.tw
- phsales@phihong.com.tw



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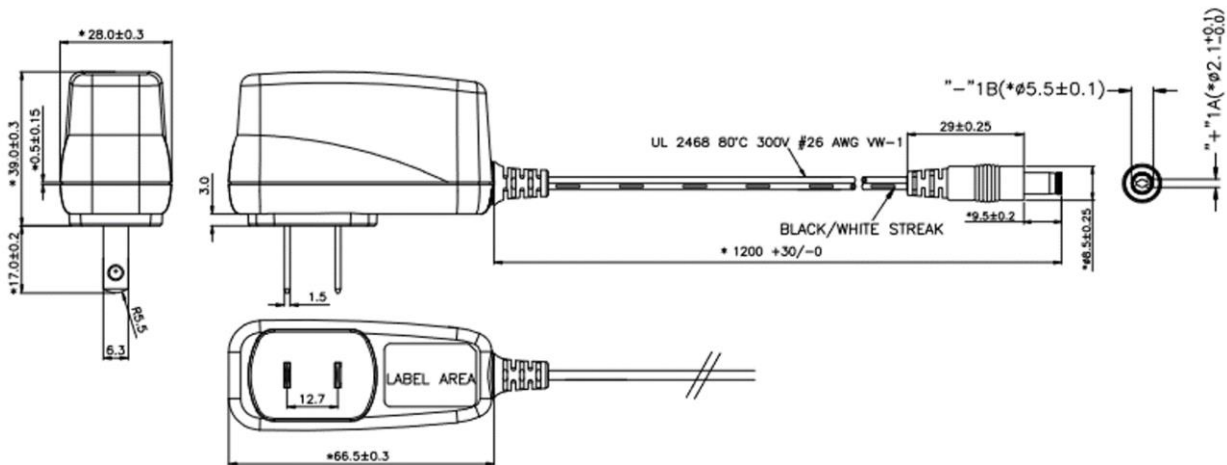
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Dimensions: mm

A Type



Model Selections:

Model Selections				
Model Number	Plug Type	Output Current (A ±5%)	Output Voltage (Vdc)	Max. Output Power (W)
PSAA06A-120L6-R	US	0.5	12	6

Headquarters

No. 568, Fusing 3rd Rd.,
Gueishan District, Taoyuan City,
333, Taiwan, R.O.C.
Tel: +886-3-3277288
Fax: +886-3-3185999
phsales@phihong.com.tw
www.phihong.com.tw

Phihong USA

47800 Fremont Blvd.
Fremont, CA 94538, USA
Tel: +1-510-445-0100
Fax: +1-510-445-1678
usasales@phihongusa.com
www.phihong.com

Phihong China

Science & Technology Rd.,
Silver Lake Industrial Area
Qingxi Town, Dong Guan City,
Guang Dong (523648), China
Tel: +86-769-87319026
Fax: +86-769-87317106
phsales@phihong.com.tw

Phihong Japan

〒135-0016 東京都江東区東陽
3丁目23番24号 VORT 東陽町
ビル5階
TEL : +81-3-5677-1678
FAX : +81-3-5634-5255
phsales@phihong.com.tw
www.phihong.co.jp

Phihong Europe

Wattstraat 50, 2171 TR
Sassenheim, The Netherlands
Tel: +31-(0)-252-225910
Fax: +31-(0)-252-218764
sales@phihongeu.com
www.phihong-lighting.com



PHIHONG TECHNOLOGY CO., LTD.

- +886-3-3277288
- www.phihong.com.tw
- phsales@phihong.com.tw