



# 5V/5W DoE VI Fixed Pin Adapter

PSAC05X-050L6-R Series

● 5V/1A ● DoE VI & CoC V5 T2 ● Fixed Pin ● Wire ● Black



The 5V/1A adaptor series is the latest offering from a world leader in charging adapter technology and manufacturing - Phihong Technology. Phihong 5V/1A value adaptor series are designed to work with most 5V powered networking communication devices, such as Router, Switch, Set-Top Box (STB) and other 5V powered devices. Our 5V value adaptor series 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. We offer 5W, 6W, 12W, 18W & 24W as standard product in the series.

## Features :

Efficiency	DoE Level VI & CoC V5 Tier 2 (73.78%)
Power Saving	0.075W @ no load, 115Vac/230Vac
Protection	SCP, OVP (7.5V), OCP (2A)
Turn-On Delay Time	<3sec @ 90Vac/60Hz, full load
Hold-up Time	>10mS @ 115Vac, 25°C, full load
Dynamic Response	±10% max, @ 90~264Vac, 25°C
	Rise rate = 0.5A/us, Fall rate = 0.5A/us
	(Load transient: 20% → 80% → 20%)
	T <sub>high</sub> = 1mS, T <sub>low</sub> = 1mS
Isolation	Primary to Secondary 3000Vac, 10mA for 1min.
Insulation	Primary to Secondary >10M ohm 500Vdc
Dimension	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	0.15A (RMS) max
Output Voltage	5V,
Output Current	1A
Maximum Output Power	5W continuous
Output Ripple & Noise	150mV (pk-pk) @25°C and 115 & 230Vac
Line Regulation	±5%
Leakage Current	<250uA max
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	-20°C ~ +70°C
Operating Humidity	0% ~ 90% RH
Storage Humidity	0% ~ 90% RH
MTBF	400K Hrs min. @100Vac, Full load, 40°C
	(Telcordia SR-332, issue2)

## Safety and Compliance :

UL60950-1, IEC60950-1, cUL, NRcan, RCM, CCC, TUV-GS, PSB,
PSE, BSMI, GEMS
FCC class B
EMI: EN55022 class B,
ESD : Air ±15kV, Contact: ±8kV E61000-4-2, Level 4, Criteria B
Surge: ±1kV (L-L), ±2kV (L-G) EN61000-4-5, Level, 3, Criteria B

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.

\*X=A, C, E, K, S A=USA C=China E=EU K=UK S=AU



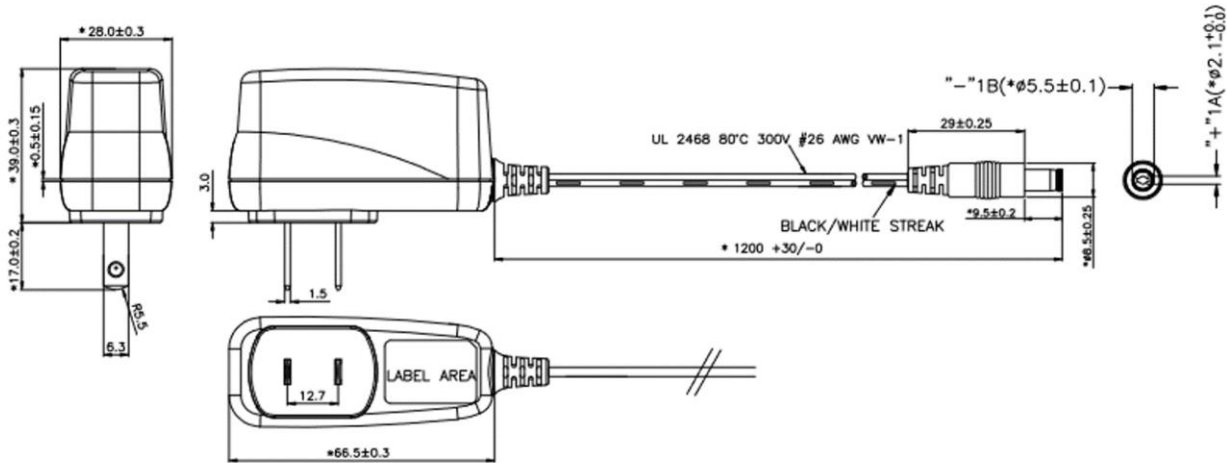
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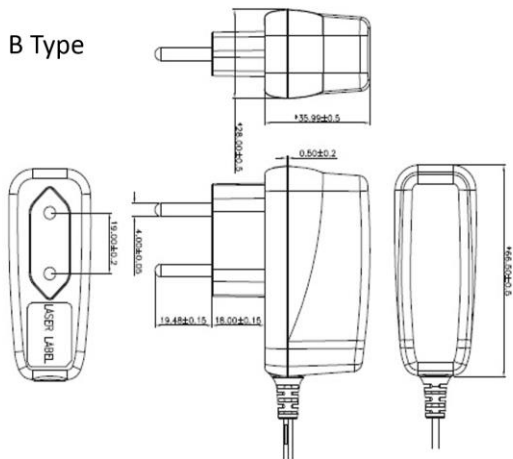


## Dimensions: mm

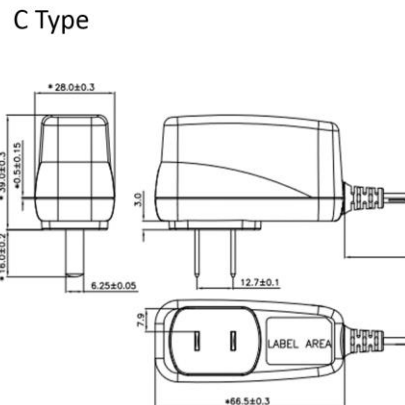
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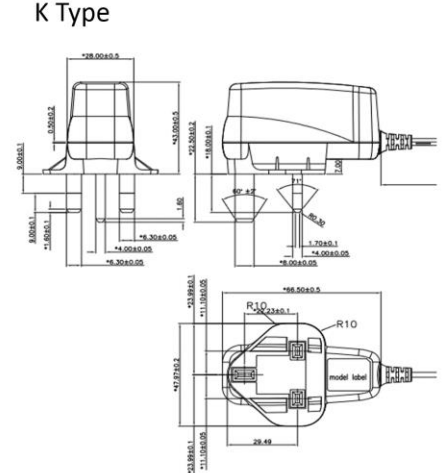
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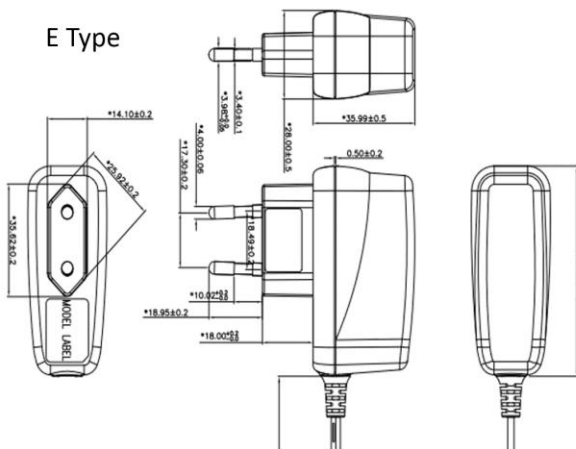
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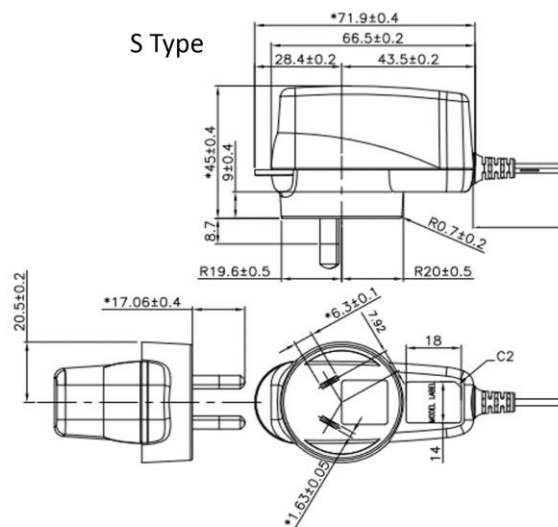
K Type



E Type



S Type





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## Model Selections:

Model Selections				
Model Number	Plug Type	Output Current ( A $\pm 5\%$ )	Output Voltage ( Vdc)	Max. Output Power (W)
PSAC05A-050L6-R	US	1	5	5
PSAC05C-050L6-R	CN	1	5	5
PSAC05E-050L6-R	EU	1	5	5
PSAC05K-050L6-R	UK	1	5	5
PSAC05S-050L6-R	AU	1	5	5

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