



11.8W DoE VI Fixed Pin Adapter

PSAC12A-060-R

● 5.9V/2A ● DoE 6 & CoC V5 T2 ● Fixed Pin ● Wire ● Black



The 5.9V/2A DoE 6 fixed pin adaptor series is the latest offering from a world leader in charging adapter technology and manufacturing - Phihong Technology. Phihong 5.9V/2A value adaptor series are designed to work with most 5.9V powered devices and conforms to most of the industry standards and meets DoE level 6 and CoC V5 tier 2 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 (84% Typ.)
No Load Input Power	≤ 75mW @ 115/230Vac
Eff @ 10% load	81% Typ. @ 230Vac/50Hz
Protection	SCP, OVP (8V), OCP (3A)
Hold-up Time	>8mS @ 120Vac, max load
Rise Time	≤ 100mS @ 120Vac, max load
Isolation	Primary to Secondary 3000Vac, 10mA for 1min.
Insulation	Primary to Secondary >7M ohm 500Vdc
DC Output Cable	1500±50mm, UL-2468 AWG#20
DC Output Connector	5.5x2.1x10mm, center positive, straight barrel
Dimension	71.5*50*31.2 (mm)
Weight	118 ± 5 (g)

Electrical Specifications :

Input Voltage	100~240Vac (90~264Vac min/max)
Frequency	50/60Hz Nom (47~63Hz min/max)
Input Current	500mA (RMS) @ 120Vac max load
	250mA (RMS) @ 230Vac max load
Output Voltage	5.9V
Maximum Output Power	11.8W continuous
Output Current	2A
Output Ripple & Noise	≤ 100mV (pk-pk)
Line Regulation	±5%
Leakage Current	<0.25mA
Inrush Current	<30A @ 120Vac/60Hz, 25°C, cold start
	<60A @ 230Vac/50Hz, 25°C, cold start

Environmental Specifications :

Operating Temperature	0°C ~ +40°C
Storage Temperature	-40°C ~ +85°C
Operating Humidity	50% ~ 90% RH
Storage Humidity	50% ~ 90% RH
E-Cap Lifetime	>4yrs @ 80% load, 35°C ambient

Safety and Compliance :

UL/cUL60950-1, CB, IEC60950-1
EMC Emission: EN55022 class B, EN61000-3-2, -3 class A
ESD : Air ±15KV, Contact: ±8KV E61000-4-2, Criteria A
Surge: ±2kV (L-L), EN61000-4-5, Criteria A
RF: EN61000-4-3, Criteria A
EFT: EN61000-4-4, Criteria A
CD: EN61000-4-6, Criteria A
Voltage Dip: EN61000-4-11, Criteria A, 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.



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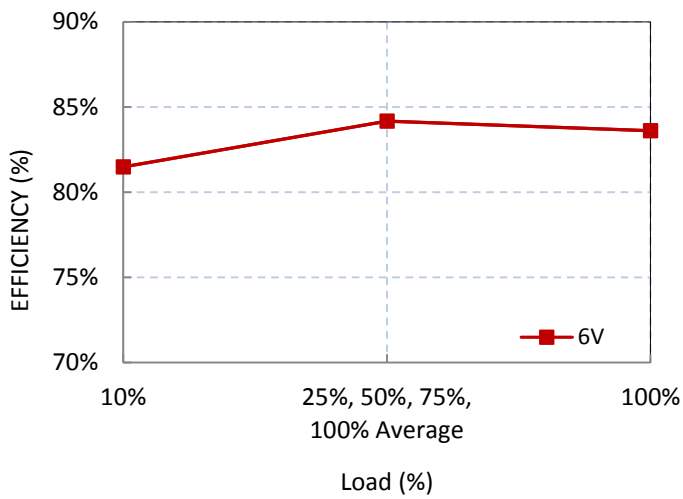
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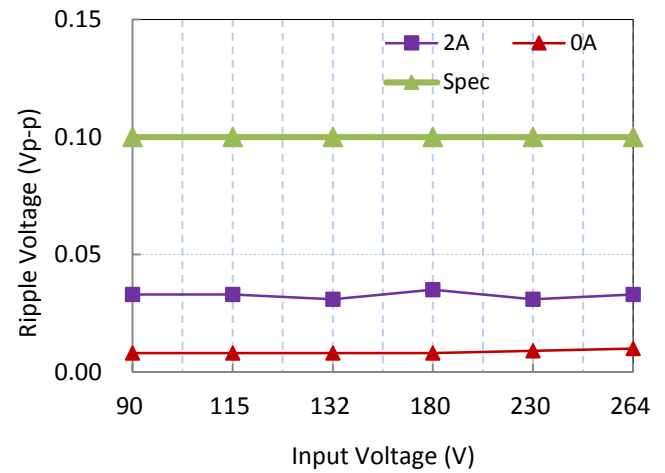
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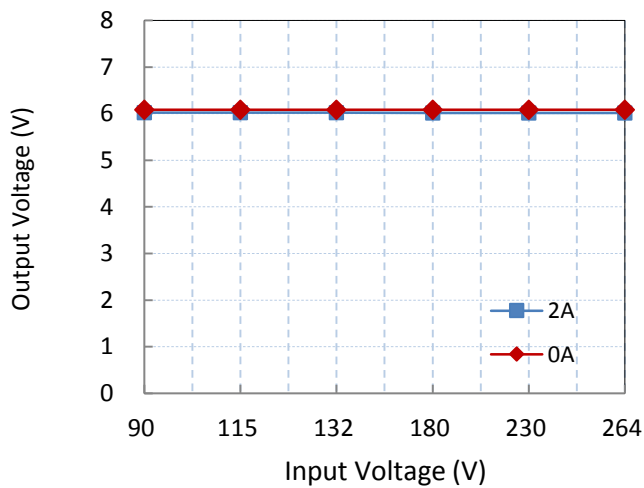
Efficiency



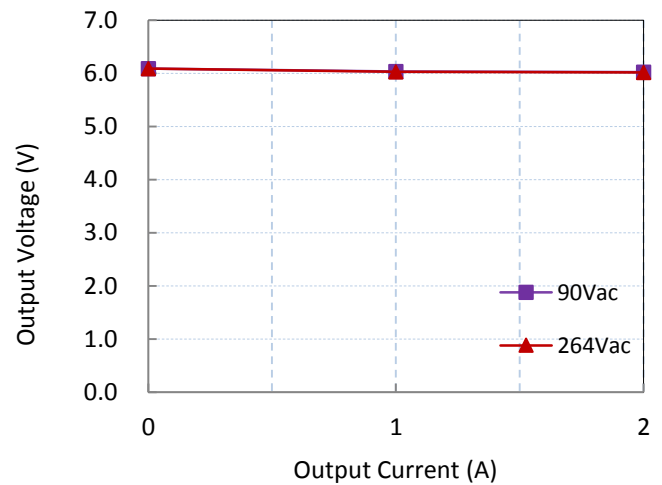
Ripple Noise



Line Regulation



Load Regulation



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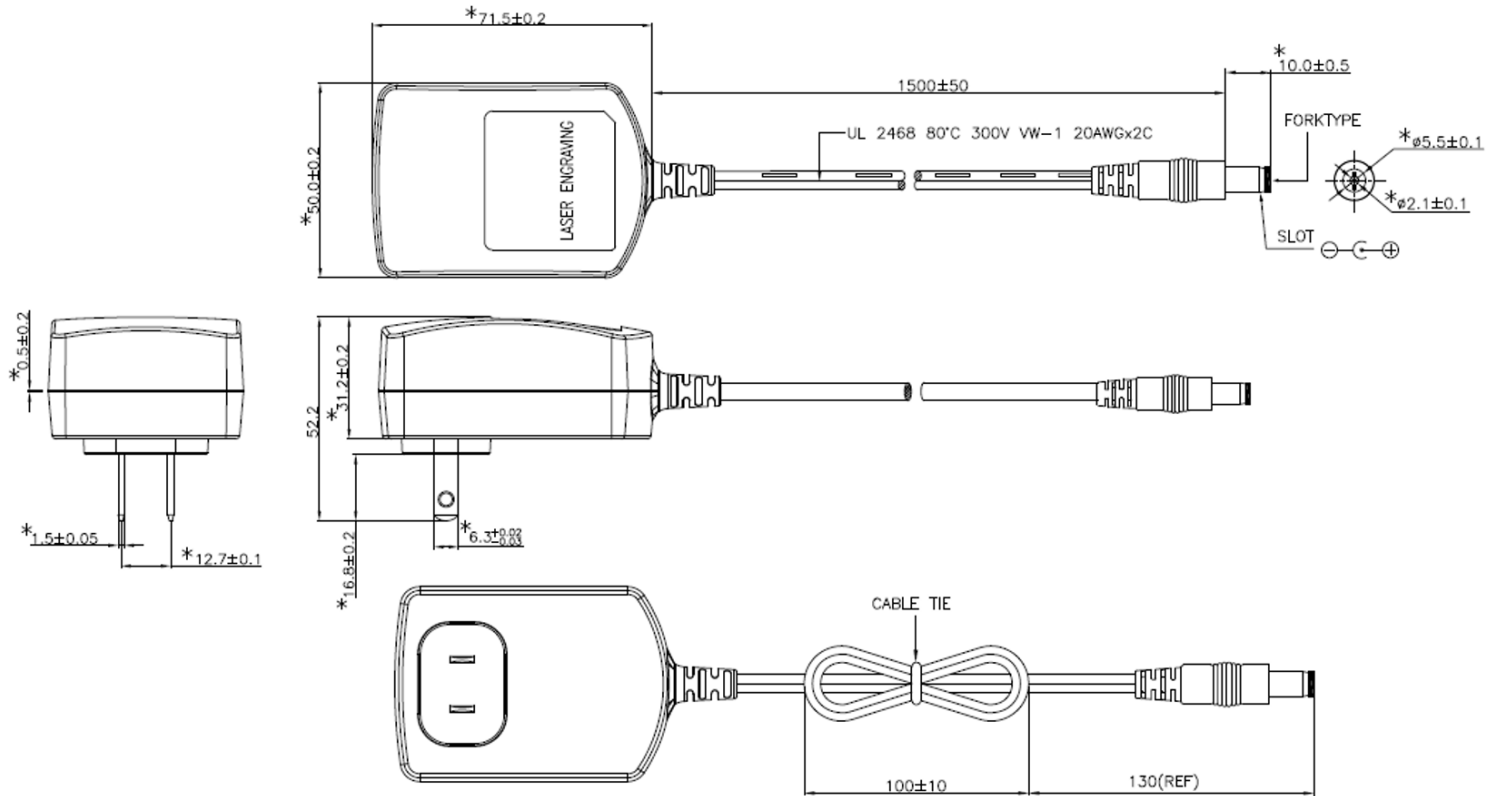
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Dimensions: mm



Model Selections

Model Number	Plug Type	Output Current (A $\pm 5\%$)	Output Voltage (Vdc)	Max. Output Power (W)
PSAC12A-060-R	US	2	5.9	11.8

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