



15W DoE VI Fixed Pin Adapter

PSC15A-060-R

● 5.9V/2.5A ● DoE 6 ● Fixed Pin ● Wire ● Black



The 5.9V/2.5A 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/2.5A, 15W adaptor is designed to work with most 5.9V powered devices and conforms to most of the industry standards. It meets DoE level 6 energy efficiency requirements and we ensure our products meet or exceed all the industry performance and safety requirements.

Features :

Efficiency	DoE Level VI (83% Typ.)
No Load Input Power	100mW @ 115/230Vac
Eff @ 10% load	81% Typ. @ 115Vac/60Hz
Protection	SCP, OVP (8V), OCP (3.2A)
Turn On Delay Time	≤ 1s @ 120Vac, max load
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#18
DC Output Connector	5.5x2.1x10mm, center positive, straight barrel
Dimension	71.5*50*31.2 (mm)
Weight	120 ± 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	14.75W continuous
Output Current	2.5A
Output Ripple & Noise	≤ 100mV (pk-pk)
Line Regulation	±5%
Leakage Current	<0.25mA
Inrush Current	<40A @ 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	>5yrs @ 80% load, 35°C ambient

Safety and Compliance :

UL/cUL60950-1, CB, IEC60950-1, CE Mark
EMC Emission: EN55022, EN61000-3-2
ESD : Air ±8KV, Contact: ±6KV E61000-4-2, Criteria A
Surge: ±2kV (L-L), EN61000-4-5, Criteria A
RF: EN55024, Criteria A
Voltage Dip: EN61000-4-11

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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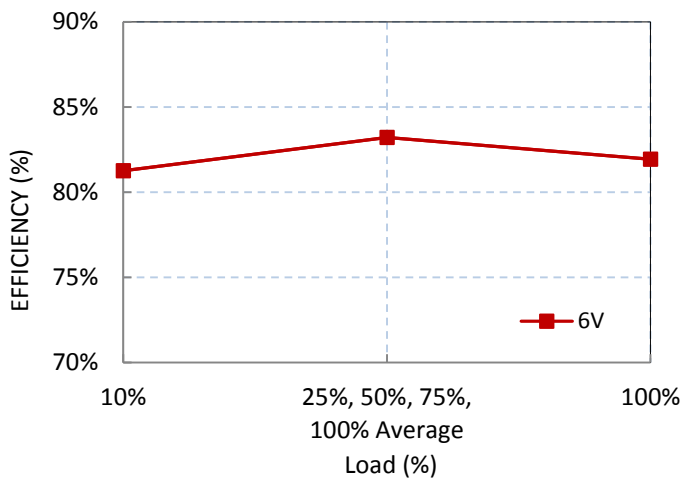
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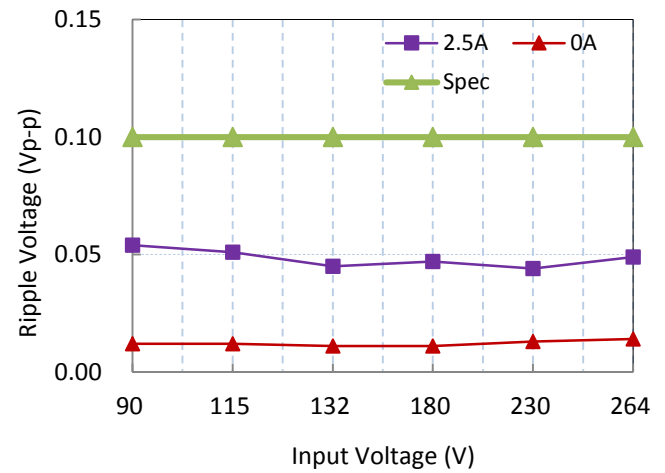
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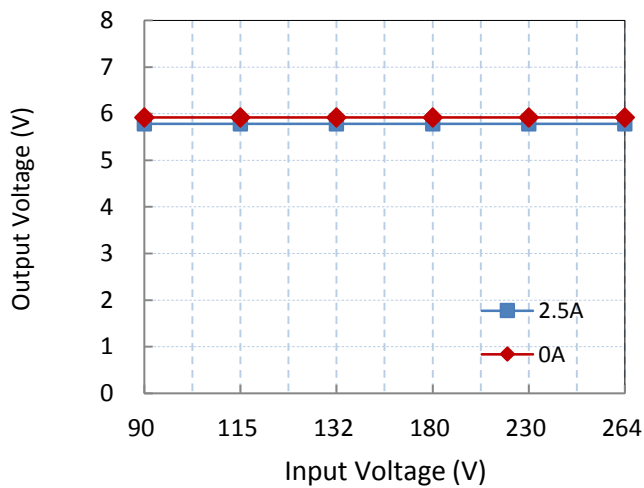
Efficiency



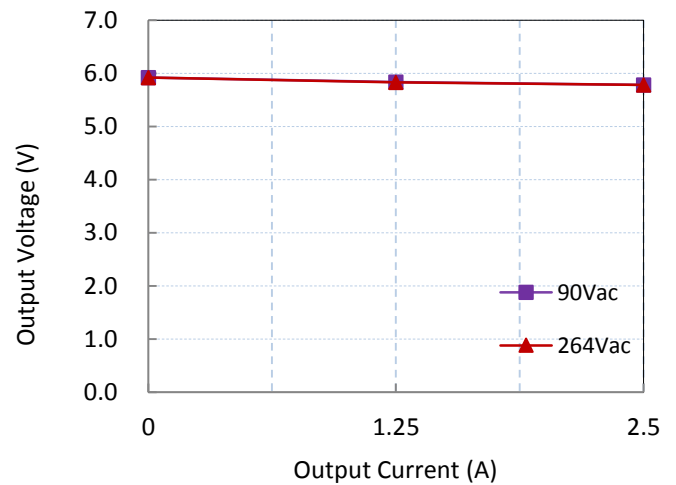
Ripple Noise



Line Regulation



Load Regulation



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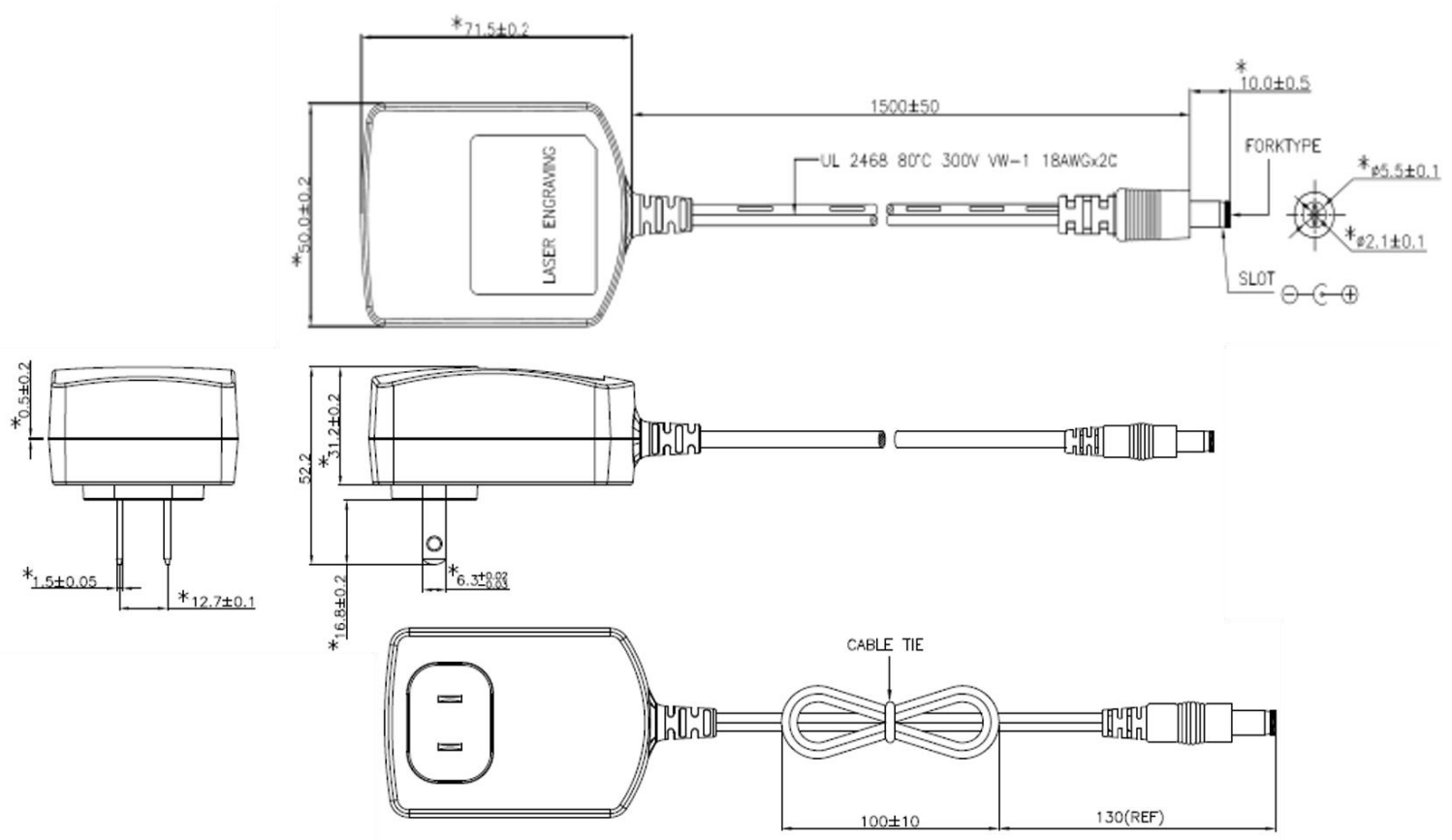
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Dimensions: mm



Model Selections

Model Number	Plug Type	Output Current (A $\pm 5\%$)	Output Voltage (Vdc)	Max. Output Power (W)
PSC15A-060-R	US	2.5	5.9	14.75

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