



15W DoE VI Fixed Pin Adapter

PSA15A-XXXP6-R Series

● 12V/15V/24V/48V ● DoE 6 ● Fixed Pin ● Wire ● Black



The 15W DoE 6 fixed pin adaptor series is the latest offering from a world leader in charging adapter technology and manufacturing - Phihong Technology. Phihong 15W value adaptor series are designed to work with most 12V/15V/24V/48V powered devices and 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 (84.12% min)
No Load Input Power	$\leq 100\text{mW}$ @ 115/230Vac
Eff @ 10% load	71.55% Min @ 115Vac/50Hz
Protection	SCP, OVP, OCP
Hold-up Time	$>8\text{ms}$ @ 120Vac, max load
Rise Time	$\leq 100\text{ms}$ @ 120Vac, max load
Isolation	Primary to Secondary 3000Vac, 10mA for 1min.
Insulation	Primary to Secondary $>7\text{M ohm}$ 500Vdc
DC Output Cable (12V)	1500 \pm 50mm, UL-2468 AWG#20
DC Output Cable (15V,24V,48V)	1500 \pm 50mm, UL-2468 AWG#22
DC Output Connector	5.5x2.1x10mm, center positive, straight barrel
Dimension	71.5*50*31.2 (mm)
Weight	135 \pm 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	12V / 15V / 24V / 48V
Maximum Output Power	15W continuous
Output Current	1.25A / 1A / 0.62A / 0.31A
Output Ripple & Noise	$\leq 100\text{mV}$ (pk-pk) for 12V output
Line Regulation	$\pm 5\%$
Leakage Current	$<0.25\text{mA}$
Inrush Current (12V)	$<30\text{A}$ @ 120Vac/60Hz, 25°C, cold start
	$<60\text{A}$ @ 230Vac/50Hz, 25°C, cold start
Inrush Current (15V,24V,48V)	$<40\text{A}$ @ 120Vac/60Hz, 25°C, cold start
	$<60\text{A}$ @ 230Vac/50Hz, 25°C, cold start

Environmental Specifications :

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

Safety and Compliance :

UL/cUL60950-1, CB, IEC60950-1
EMC Emission: EN55022, Class B, EN61000-3-2
ESD : Air $\pm 8\text{KV}$, Contact: $\pm 6\text{KV}$ E61000-4-2, Criteria A
Surge: $\pm 2\text{kV}$ (L-L), EN61000-4-5, Criteria A
EFT: IEC61000-4-4, 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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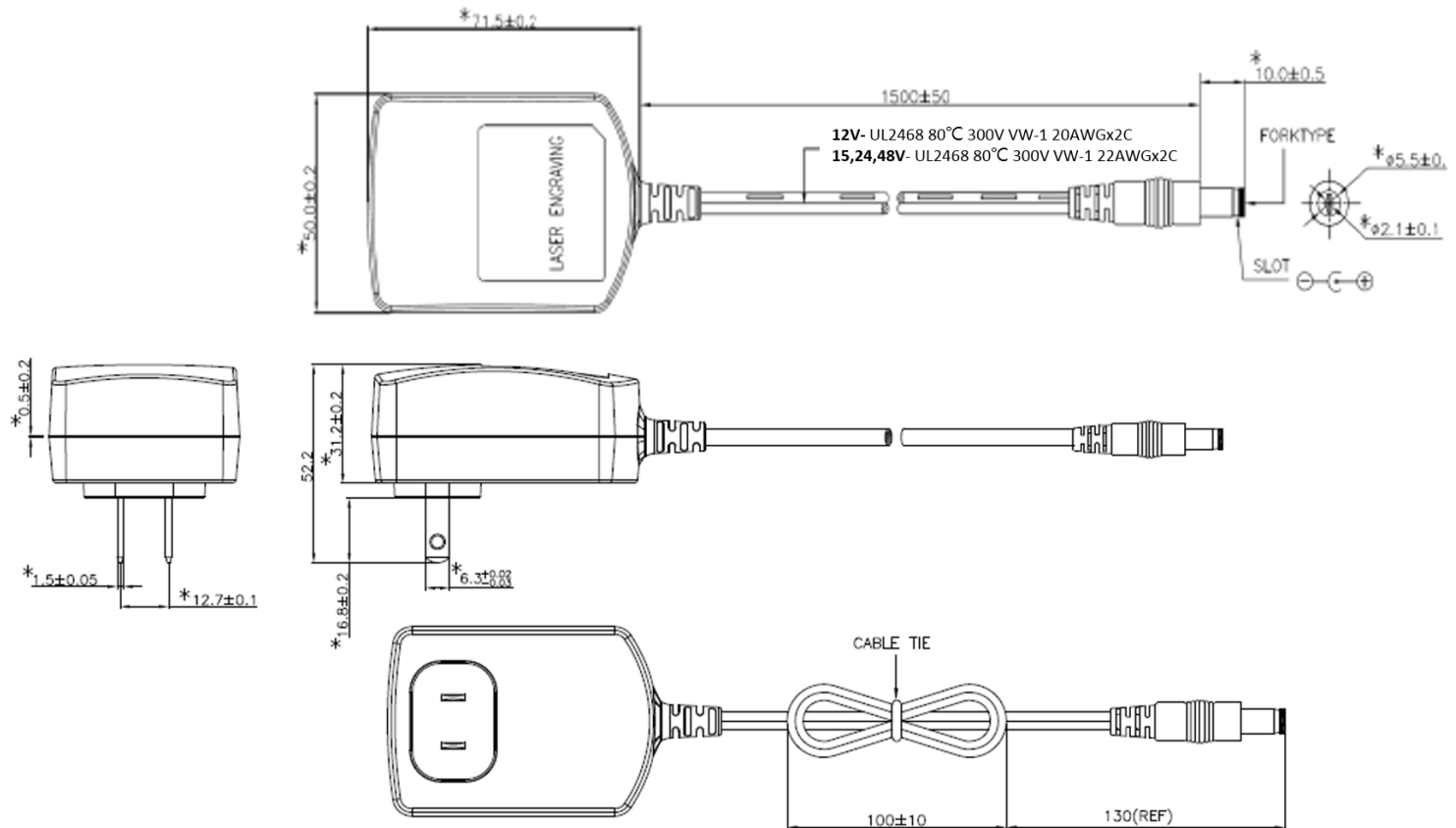
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Dimensions: mm



Model Selections

Model Number	Plug Type	Output Voltage (Vdc)	Output Current (A±5%)	Max. Output Power (W)	Output Ripple P-P (max)
PSA15A-120P6-R	US	1.25	12	15	100mV
PSA15A-150P6-R	US	1	15	15	100mV
PSA15A-240P6-R	US	0.63	24	15	200mV
PSA15A-480P6-R	US	0.31	48	15	400mV

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