



30W Interchangeable AC Clip Adapter

PSAA30R-XXX-R Series

● 12V/15V/24V/56V ● DoE 6 ● Interchangeable AC Clip ● Cable ● Black



The 30W interchangeable AC clip adaptor series is the latest offering from a world leader in charging adapter technology and manufacturing - Phihong Technology. Phihong 30W interchangeable AC clip adaptor series are designed to work with most 12V/15V/24V/56V powered devices and conform to most of the industry standards and meet DoE level VI energy efficiency requirements. We ensure our products meet or exceed all the industry performance and safety requirements.

Features :

Efficiency	DoE Level VI (86.95% avg)
Power Saving	<0.1W @230Vac/50Hz
Protection	SCP, OVP, OCP
Turn On Delay Time	<3s @ 115Vac, max load
Hold-up Time	>10ms @ 115Vac, max load
Rise Time	<100ms @ 115Vac, max load
Isolation	Primary to Secondary 3000Vac, 10mA for 1min.
Insulation	Primary to Secondary >7M ohm 500Vdc
DC Output Cable (12V)	1500±50mm, UL2468, AWG#18
(15V, 24V, 56V)	1500±50mm, UL2468, AWG#24
DC Output Connector	5.5x2.1x10mm, center positive, straight barrel
Dimension	82.7*55*39.1 (mm)
Weight	180 (g)

Electrical Specifications :

Input Voltage	100~240Vac (90~264Vac min/max)
Frequency	50/60Hz Nom (47~63Hz min/max)
Input Current	0.8A (RMS) @ 120Vac max load
	0.5A (RMS) @ 240Vac max load
Output Voltage	12V / 15V / 24V / 56V
Output Current	2.5A / 2A / 1.25A / 0.54A
Maximum Output Power	30W continuous
Output Ripple & Noise	≤ 120mV (pk-pk) for 12V output
Line/Load Regulation	±5%
Leakage Current	0.25mA max
Inrush Current	<60A @ 100Vac, 25°C, cold start
	<100A @ 240Vac, 25°C, cold start

Environmental Specifications :

Operating Temperature	0°C ~ +40°C
Storage Temperature	-20°C ~ +75°C, non-condensing
Operating Humidity	20% ~ 90% RH
Storage Humidity	20% ~ 95% RH, non-condensing

Safety and Compliance :

UL/cUL60950-1, SAA AS/NZS 60950-1:2003, CE approval
FCC Class B, EN55022 Class B, C-Tick approval
ESD : E61000-4-2, Level 4
Radiated Immunity: EN61000-4-3, Level 2
EFT: EN61000-4-4, Level 2
Surge: EN61000-4-5, Level 3
Conducted Immunity: EN61000-4-6, Level 2
Magnetic Immunity: EN61000-4-8, Level 1
Voltage Dips: 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.
- Interchangeable AC clip: US, Brazil, CN, EU, Korea, UK, India, Argentina, Australia, IEC320 C8



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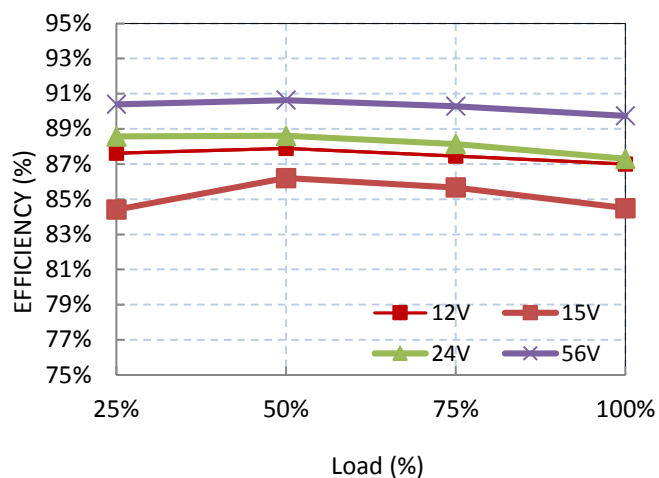
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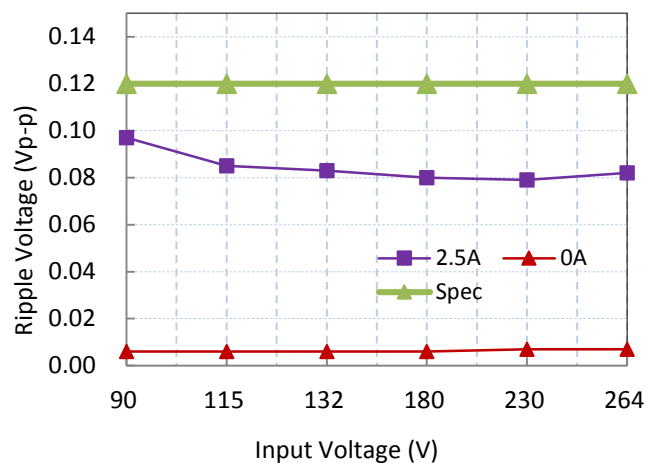
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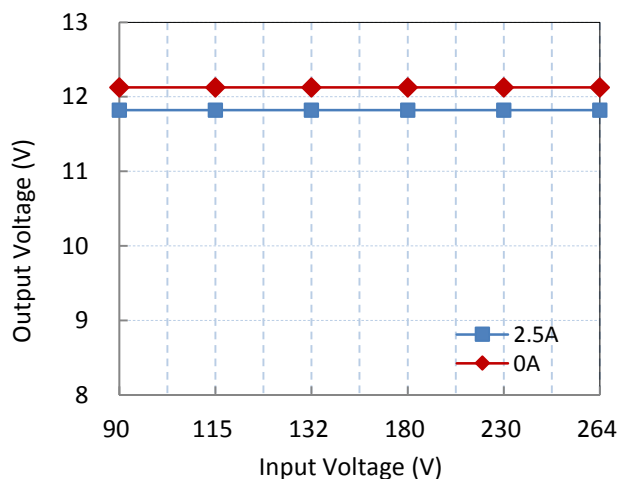
Efficiency



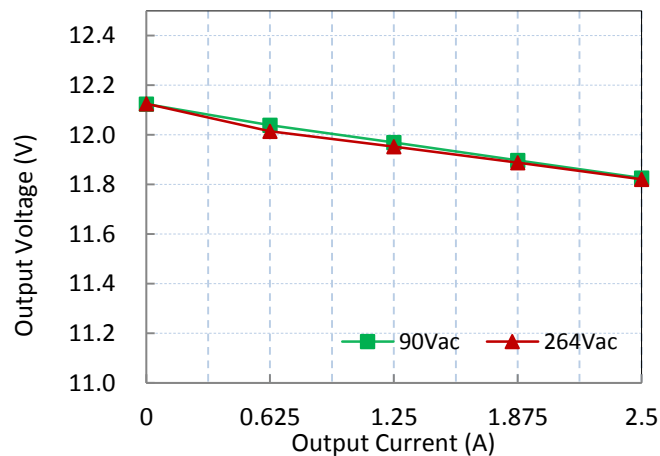
Ripple Noise (12V)



Line Regulation (12V)



Load Regulation (12V)



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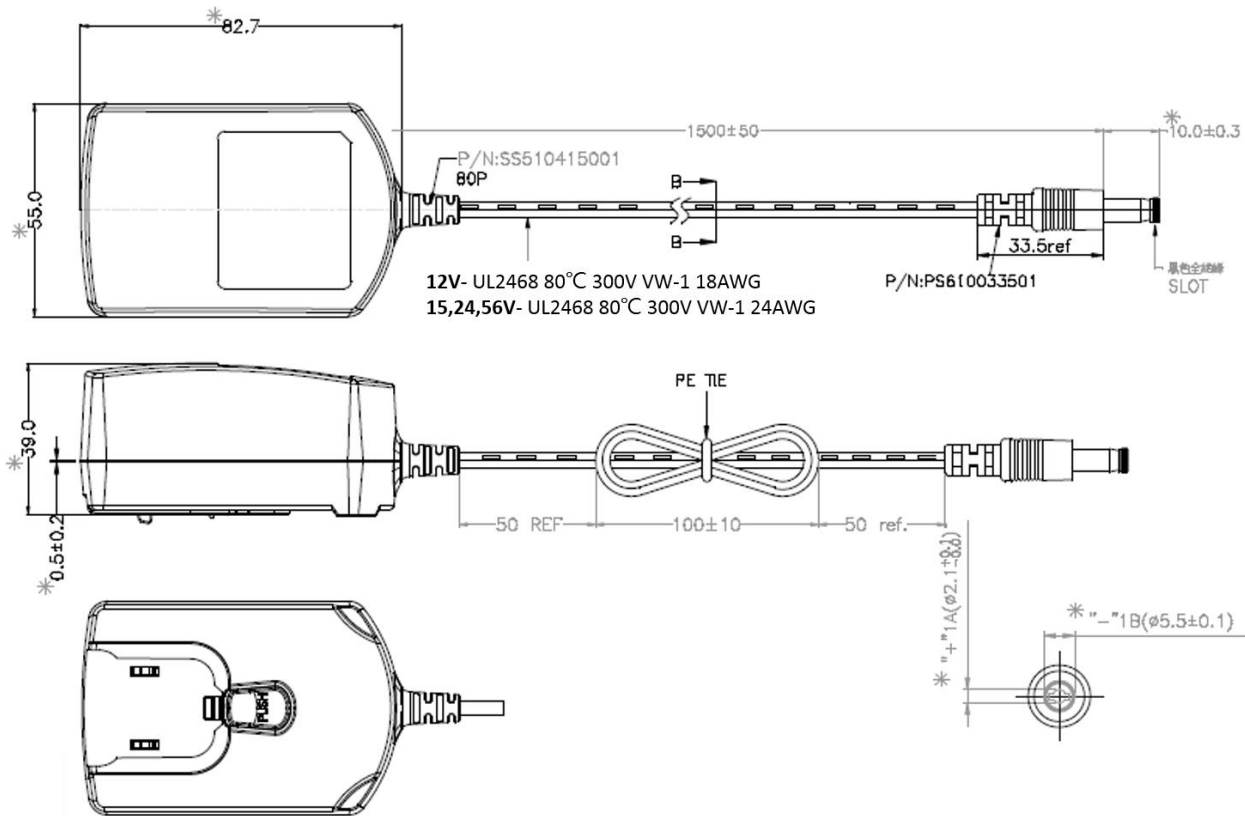
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Dimensions: mm



Model Selections

Model Number	Output Voltage (Vdc)	Output Current (A $\pm 5\%$)	Max. Output Power (W)	Output Ripple P-P (max)
PSAA30R-120-R	12	2.5	30	120mV
PSAA30R-150-R	15	2	30	200mV
PSAA30R-240-R	24	1.25	30	240mV
PSAA30R-560-R	56	0.54	30	560mV

AC Clip Selections

	US	Brazil	China	Europe	Korea	UK	India	Argentina	Australia	IEC320 C8
Model Name	RPA	RPB	RPC	RPE	RPH	RPI	RPK	RPN	RPS	RPX

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