



# 20W Cable Type Interchangeable Clip Adapter

PSAA20R-120L6-R

● 12V/1.67A ● 10 types of AC clip ● DoE 6 & CoC V5 tier 2



Phihong R-Series power adapters with interchangeable clips are the best choice for users to travel lightly and easily. The R-type adapters have 10 types of clips, including UK, EU, USA, Brazil, China, Korea, India, Australia, Argentina, and two wire input to meet your travel needs. Featuring universal input 90V to 264V, the PSAA20R-120L6 has 12V output voltage and up to 20W output power. To achieve energy saving goal, it meets DoE Level VI and CoC V5 tier 2 energy efficiency requirements and compliant with or approved by CE, UL, CB, RCM, FCC Class B, and EN55022 Class B.

## Features :

Efficiency	DoE Level VI and CoC V5 tier 2
No Load Input Power	≤ 75mW @ 230Vac
Average Efficiency	85.98% min
Efficiency @ 10% load	75.98% min
Protection	OVP, OCP, SCP, OTP
OCP	Auto-restart
OVP	< 23Vpk for less than 0.2 seconds, auto restart
Isolation	3000Vac, Primary to secondary 10mA, 1 min
Insulation Resistance	Primary to secondary 50MΩ min @ 500Vdc
Dimension (mm)	71.7 x 50.0 x 33.3
Cable Length	1500mm ± 50mm
Connector	5.5 OD x 2.1 ID x 9.5mm, straight barrel
Weight	146g
AC Plug	US, UK, EU, Australia, China, Korea, Argentina, Brazil, India & two wire input

## Electrical Specifications :

Input Voltage	100~240Vac (90~264Vac min/max)
Frequency	50/60Hz Nom (47~63Hz min/max)
Input Current	0.5A (RMS) max @ 120Vac; 0.25A (RMS) max @ 240Vac
Output Voltage	12V±5%
Output Current2	1.67A
Maximum Output Power	20W
Output Ripple & Noise	120mVpk-pk
Earth Leakage Current	0.25mA max @ 264Vac/60Hz
AC Inrush Current	40A max @120Vac; 80A max @240Vac
Hold-up Time	10mS min @ 120Vac/60Hz

## Environmental Specifications :

Operating Temperature	0°C ~ +40°C
Storage Temperature	-25°C ~ +75°C
Humidity, Operation	20% to 90% RH Max
Humidity, Storage	20% to 90% RH Max
MTBF	150k hrs min @ max load, 25°C

## Safety and Compliance :

Safety Requirement	CE, UL, CB, RCM
Immunity Requirement	
Electrostatic Discharge	EN 61000-4-2 Level 3
Radiated Immunity	EN 61000-4-3 Level 2
Electrical Fast Transient	EN 61000-4-4 Level 2
Surge Immunity	EN 61000-4-5 Level 3
Conducted Immunity	EN 61000-4-6 Level 3
Voltage Dip	EN 61000-4-11
Harmonics	
Harmonic Current	EN61000-3-2 (A1+A2+A14) Class A
Voltage Flicker	EN61000-3-3
EMI Standard	FCC Class B EN55022 Class B
RoHS	RoHS Directive 2011/65/EU
WEEE	WEEE Directive 2012/19/EU



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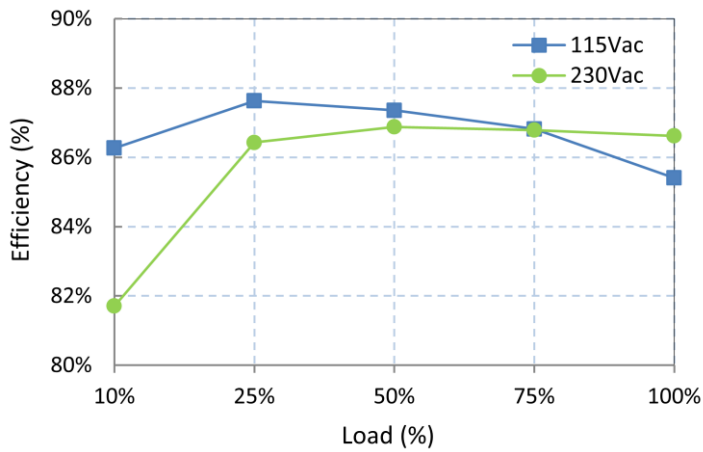
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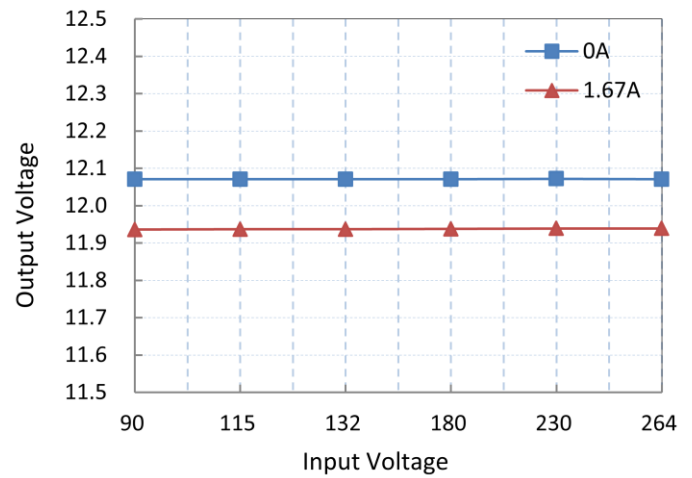
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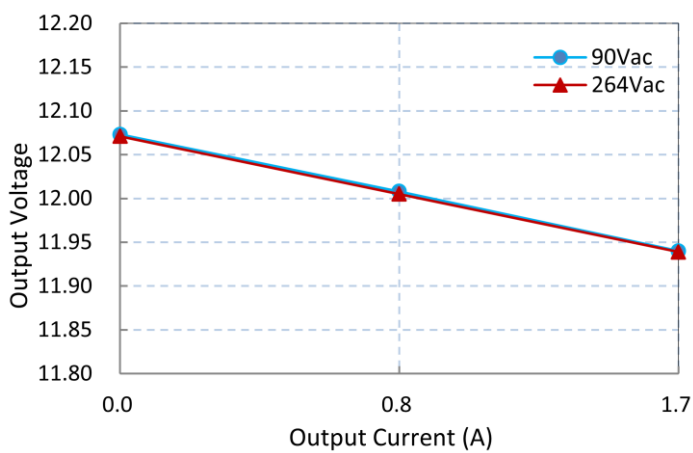
## Efficiency



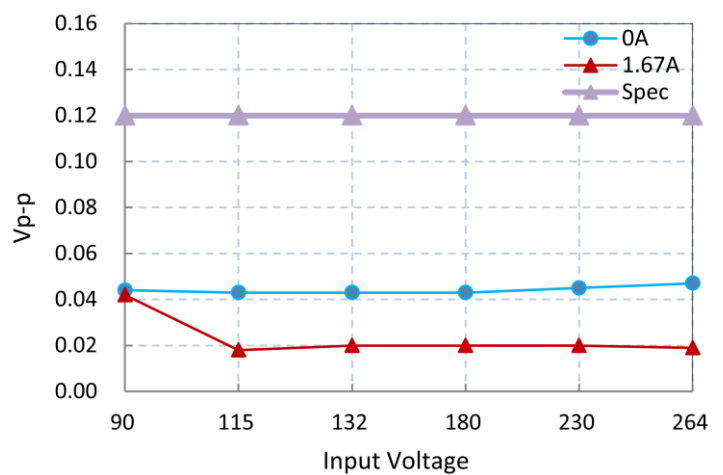
## Line Regulation



## Load Regulation



## Noise & Ripple



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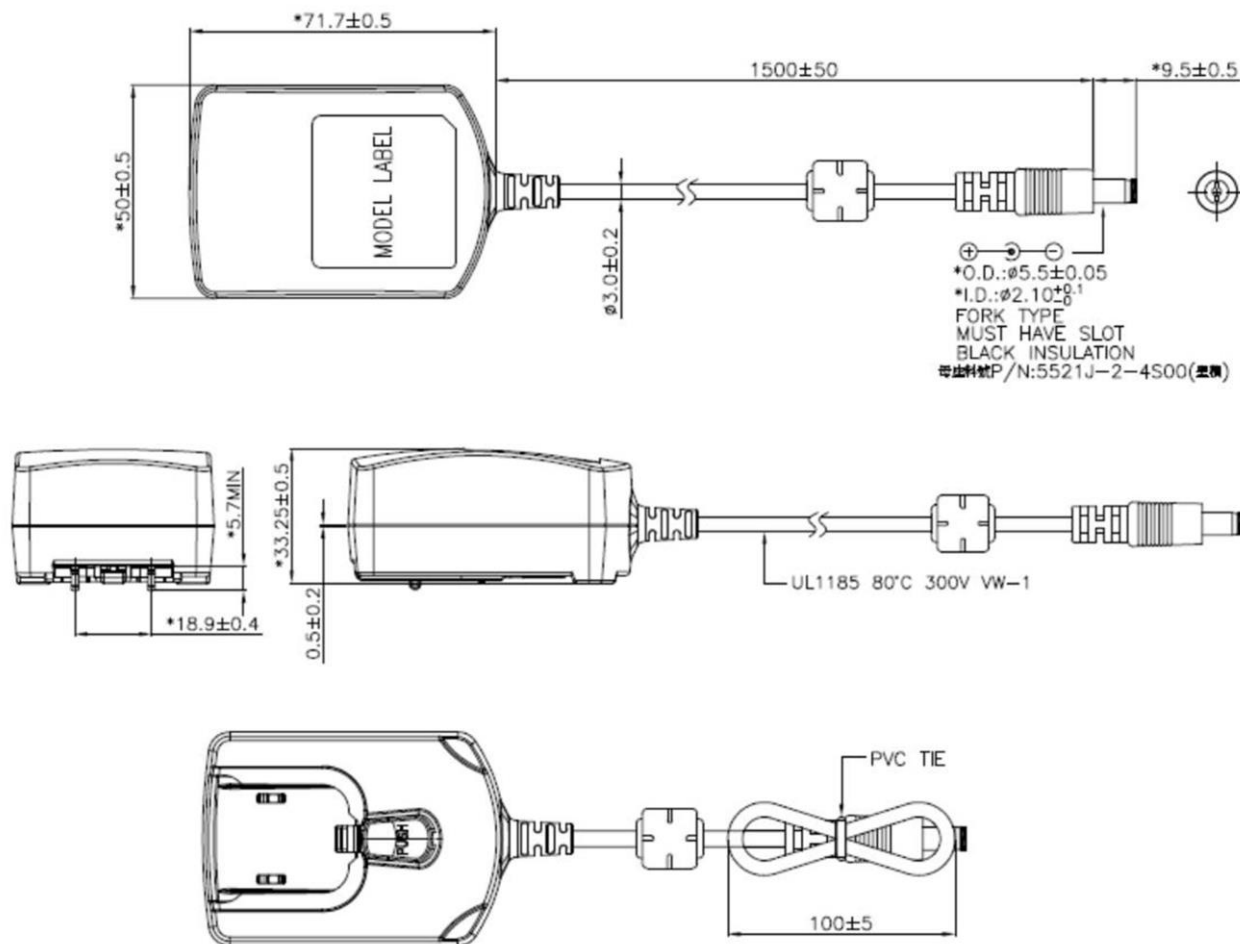
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**Dimensions:** mm



## Model Selections

Model Number	Plug Type	Case Color	Output Current (A $\pm 5\%$ )	Output Voltage (Vdc)	Max. Output Power (W)
PSAA20R-120L6-R	Interchangeable	Black	1.67	12	20

This model has US, UK, EU, Australia, China, Korea, Argentina, Brazil, India & two wire input AC clips.

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