



# 20W Cable Type Interchangeable Clip Adapter

PSAA20R-240L6-R

● 24V/0.83A ● 10 types of AC clip ● DoE 6 & CoC tier 2



Phihong R-Series power adapter with interchangeable input AC clips is the best choice for users to travel lightly and easily. This R-type adapter with wire has 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 from 90V to 264V, the PSAA20R-240L6 provides 24V output and 20W output power. To achieve energy saving, it meets DoE Level VI & CoC V 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 & CoC V tier 2
No Load Input Power	$\leq 0.075W$ @ 230Vac
Protection	OVP, OCP, SCP, OTP
Isolation	3000Vac, Primary to secondary 10mA, 1 min
Insulation Resistance	Primary to secondary 50M $\Omega$ @500Vdc
OCP	Auto-restart
SCP	The output can be shorted without damage.
OVP	< 35 Vpk for less than 0.2 seconds, auto restart
Average Efficiency	85.95% min.
Efficiency @ 10% load	75.95% min.
Dimension (mm)	71.7 x 50.0 x 33.25
Weight	127g
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	24V $\pm$ 5%
Output Current	0.83A
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 @ full load 120Vac/60Hz

## Environmental Specifications :

Operating Temperature	0°C ~ +40°C
Storage Temperature	-25°C ~ +75°C
Humidity, Operation	20% to 90% RH
Humidity, Storage	20% to 95% RH
MTBF	150k hours min @ max load, 25°C

## Safety and Compliance :

Safety	CE, UL, CB, RCM
Immunity	
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
EMI	FCC Class B, EN55022 Class B
Harmonic	
Harmonic	EN61000-3-2 (A1+A2+A14) Class A
Voltage Flicker	EN61000-3-3
RoHS/WEEE	RoHS Directive 2011/65/EU WEEE Directive 2012/19/EU



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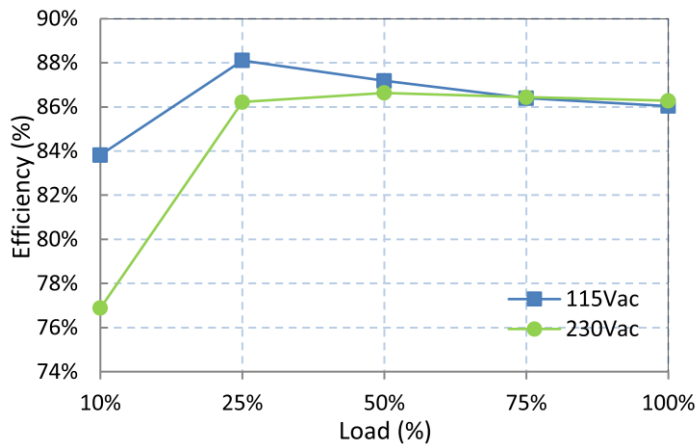
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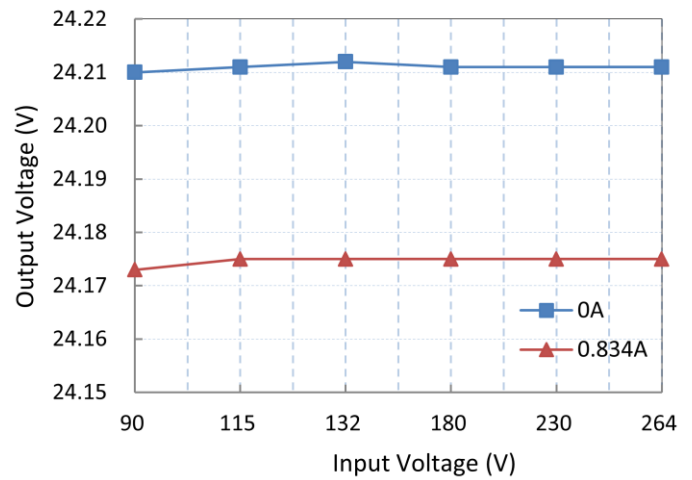
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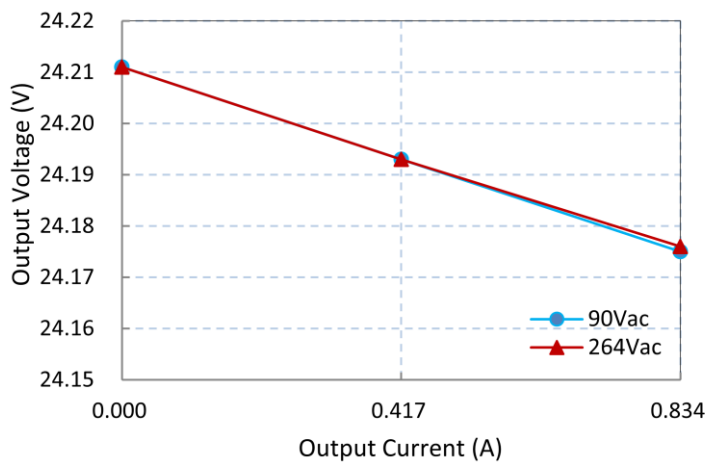
## Efficiency



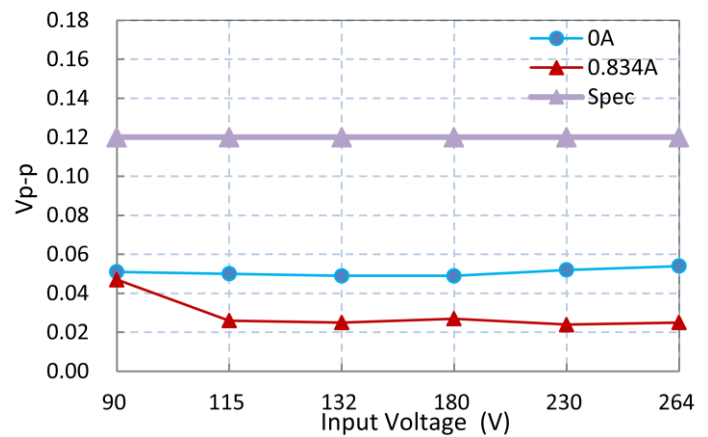
## Line Regulation



## Load Regulation



## Noise & Ripple



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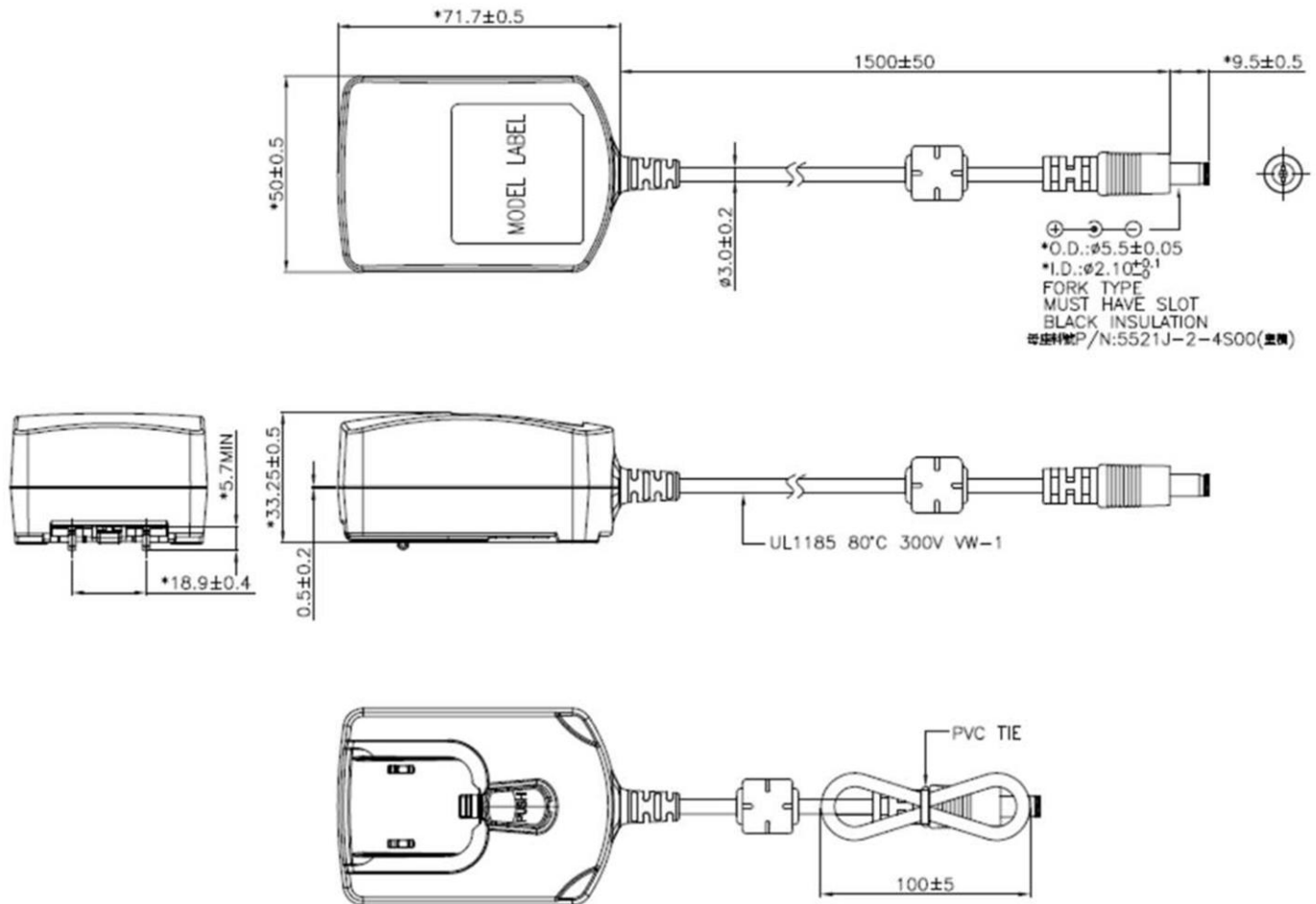
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**Dimensions:** mm



## Model Selections

Model Number	Plug Type	Case Color	Output Current (A $\pm 5\%$ )	Output Voltage (Vdc)	Max. Output Power (W)
PSAA20R-240L6-R	Interchangeable	Black	0.83	24	20

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

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