



12W Cable Type Interchangeable Clip Adapter

PSAC12R-090-R

● 9V/1.33A ● 10 types of AC clip ● DoE Leel VI



Phihong R-Series power adapter with interchangeable 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 PSAC12R-090-R provides 9V output and 12W output power. To achieve energy saving, it meets DoE Level VI energy efficiency requirements and compliant with or approved by CE, UL, CB and EN55022 Class B.

Features :

Efficiency	DoE Level VI
No Load Input Power	$\leq 100\text{mW}$ @ 115/230Vac
Protection	OVP, OCP, SCP
Isolation	3000Vac, Primary to secondary 10mA, 1 min
Insulation Resistance	Primary to secondary $>7\text{M}\Omega$ @500Vdc
OCP	1.8A max, auto-restart
SCP	Shorted without damage and auto-recovery within 2 seconds.
OVP	Output voltage $<12\text{Vdc}$
Average Efficiency	82.94% min @ 115/230Vac
10% load efficiency	70.13% min @ 234Vac/50Hz
Dimension (mm)	71.7 x 50.0 x 33.3
Weight	117 \pm 5 g
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 @ 230Vac
Output Voltage	9V \pm 5%
Output Current	1.33A continuous
Maximum Output Power	11.97W continuous
Output Ripple & Noise	$\leq 120\text{mVpk-pk}$
Earth Leakage Current	$\leq 0.25\text{mA}$ at all line conditions
AC Inrush Current	30A max at 120Vac; 60A max at 230Vac
Hold-up Time	8mS min @ 120Vac max load
Rise Time	$\leq 100\text{mS}$ at 120VAC, max load

Environmental Specifications :

Operating Temperature	0°C ~ +40°C
Storage Temperature	-40°C ~ +85°C
Humidity, Operation	50% to 90% RH max non-condensing
Humidity, Storage	50% to 90% RH max non-condensing
E-capacitor lifetime	$\geq 4\text{yrs}$ at 80% load, 35°C ambient

Safety and Compliance :

Safety Requirement	UL/cUL 60950-1, 2 nd Edition, CE, CB IEC60950-1 2 nd Edition, RCM
EMC Emission	
Radiated Emission	EN55022 Class B
Conducted Emission	EN55022 Class B
AC line harmonic current emission	EN61000-3-2 Class A
Voltage Fluctuations & Flicker Test	EN61000-3-3 Class A
EMC Immunity	
ESD	61000-4-2 Criterion A
Radiated RF Immunity	61000-4-3 Criterion A
EFT	61000-4-4 Criterion A
Surge	61000-4-5 Criterion A
Conducted Disturbances	61000-4-6 Criterion A
Voltage Dips Immunity	61000-4-11 Criterion A & B
RoHS / WEEE / REACH	RoHS Directive 2011/65/EC; WEEE Directive 2002/96/EC; REACH EC1907/2006



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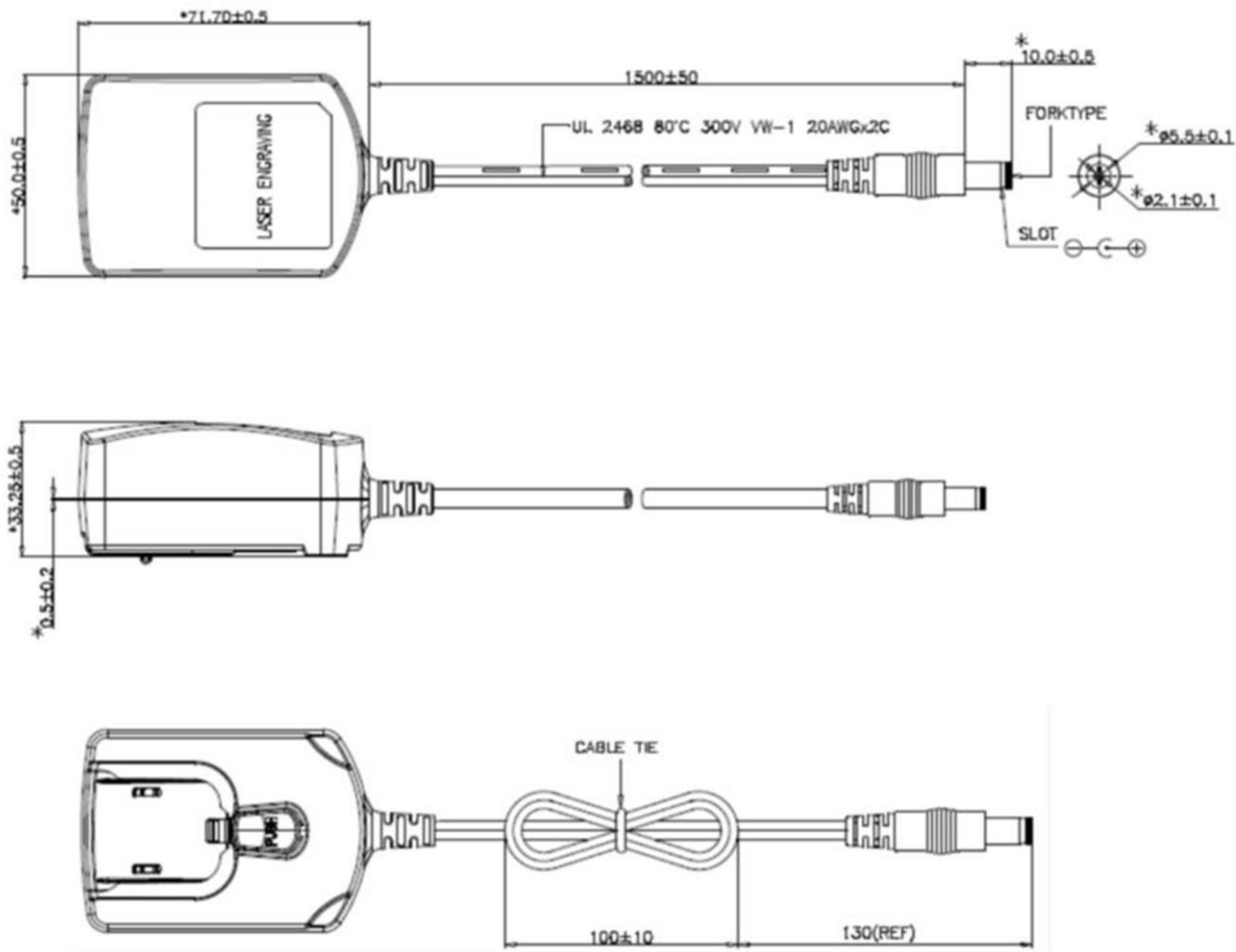
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Dimensions: mm



Model Selections

Model Number	Plug Type	Case Color	Output Current (A ±5%)	Output Voltage (Vdc)	Max. Output Power (W)
PSAC12R-090-R	Interchangeable	Black	1.33	9	12

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

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