



5W USB Type Interchangeable Clip Adapter

PSAI05R-050QL6-R

● 5V/1A ● USB output ● 10 types of AC clip ● DoE 6, CoC V5 Tier 2



Phihong R-Series power adapter with interchangeable clips is the best choice for users to travel lightly and easily. This USB R-type adapter 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, it has 5W output power and 5V voltage. To achieve energy saving goal, it meets DoE Level VI energy efficiency requirements and compliant with or approved by UL, TUV, NOM, CB, CE, FCC Class B, and EN50082-1.

Features :

Efficiency	DoE Level VI and CoC V5 tier 2
No Load Input Power	$\leq 75\text{mW}$ @ 230Vac
Protection	OVP, OCP, SCP, OTP
Isolation	3000Vac, Primary to secondary 10mA, 1 min
Insulation Resistance	Primary to secondary $>7\text{M}\Omega$ min @500Vdc
OCP	5A
SCP	Shorted permanently without damage
OVP	7.2Vdc
Average Efficiency	73.78% min
Efficiency @ 10% load	64.59% min
Dimension (mm)	73.3 x 46 x 31.7
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	0.3A (RMS) max @ 115Vac; 0.15A (RMS) max @ 230Vac
Output Voltag	5V \pm 5%
Output Current	1.0A
Maximum Output Power	5W
Output Ripple & Noise	200mVpk-pk
Earth Leakage Current	20uA Max.240Vac,50Hz
AC Inrush Current	45A @240Vac at 25C, cold start
Rise Time	100mS Max @ 115Vac, full load
Fall Time	50mS Max @ 115Vac, full load
Hold-up Time	10mS min @ 115Vac, full load
Turn-On Delay Time	3.8S Max @ 115Vac, full load

Environmental Specifications :

Operating Temperature	0°C ~ +50°C
Storage Temperature	-40°C ~ +85°C
Humidity, Operation	90% RH Max
Humidity, Storage	90% RH Max
MTBF	50,000 hours @ full load, 25°C

Safety and Compliance :

Safety Requirement	UL, TUV, NOM, CB & CE
Immunity	
ESD	EN50082-1: EN 61000-4-2, Level 4 Air discharge $\pm 15\text{kV}$ Contact $\pm 8\text{kV}$
Surge	EN 61000-4-5, Level 2 1kV
EMI Requirement	FCC Class B EN55022 Class B AS / NZS 3548



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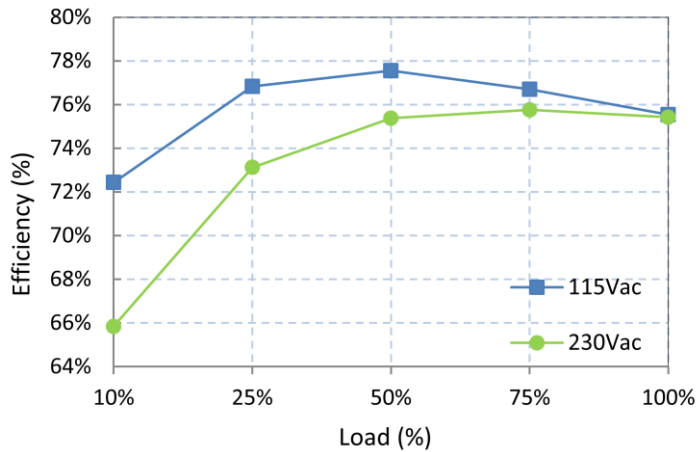
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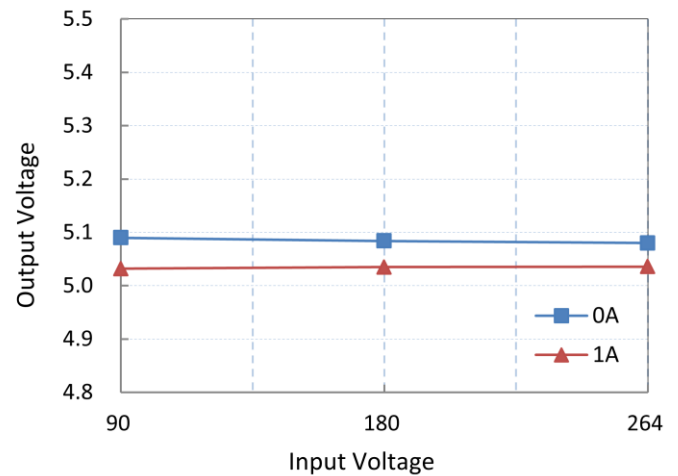
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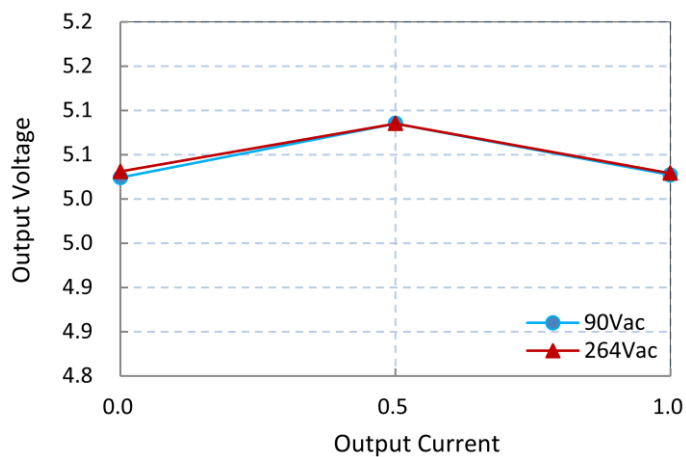
Efficiency



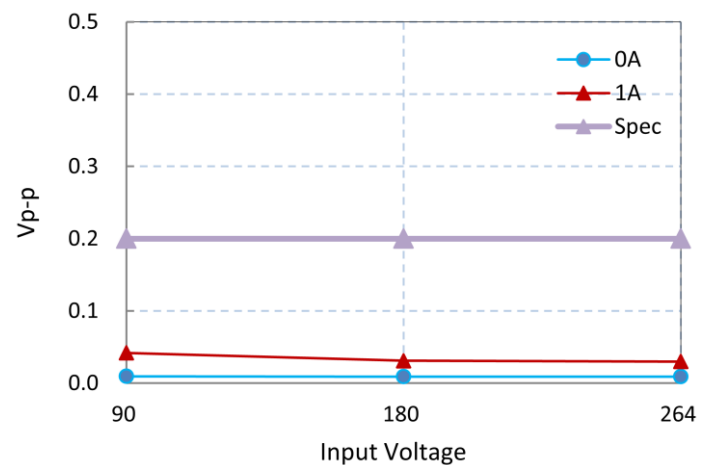
Line Regulation



Load Regulation



Noise & Ripple



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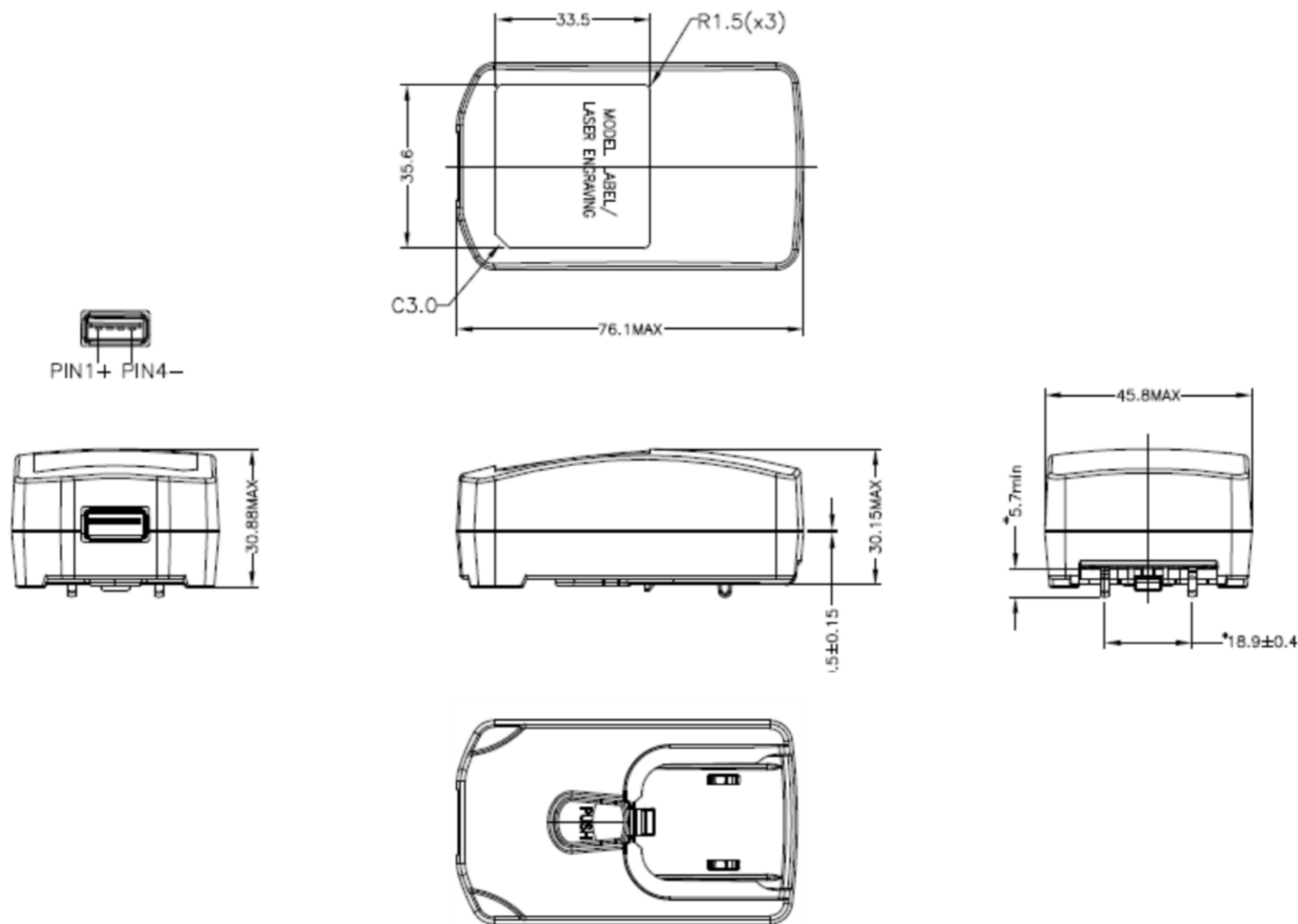
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Dimensions: mm



Model Selections

Model Number	Plug Type	Case Color	Output Current (A ±5%)	Output Voltage (Vdc)	Max. Output Power (W)
PSAI05R-050QL6-R	Interchangeable	Black	1	5	5

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

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