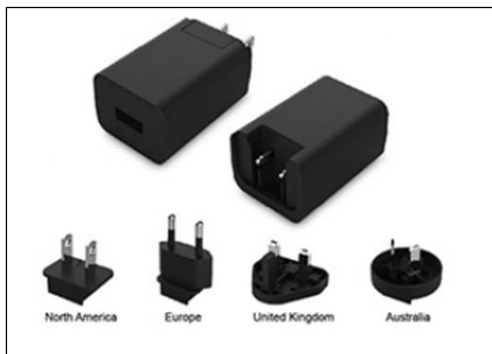




# 5W USB Type Interchangeable Clip Adapter

AQ05V-050A-R

● 5V/1A ● US, UK, EU & Australia AC clip ● DoE 6, CoC V5 Tier 2



Phihong new R-Series USB adapter with interchangeable AC clips is the best choice for users to travel lightly and easily. This USB R-type adapter has 4 types of AC clips, US, UK, EU and Australia to meet your travel needs. Featuring universal input from 90V to 264V, it is USB 5V and has 5W 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 CB60950-1, CE, UL/cUL, FCC Class B, and EN55022B.

## Features :

Efficiency	DoE Level VI and CoC V5 tier 2
No Load Input Power	$\leq 75\text{mW}$ @ 115/230Vac
Protection	OVP, OCP, SCP
Isolation	3000Vac, Primary to secondary 10mA, 1 min
Insulation Resistance	Primary to secondary 500Vdc 100M $\Omega$ min
OCP	1.2A max @ 90Vac~264Vac
SCP	No damage & auto restart
OVP	<7.5V peak, at 0.05A~1A Load
Average Efficiency	73.77% min @ 115Vac/230Vac
Efficiency @ 10% load	68.59% min @ 115Vac/230Vac
Output connector	USB CONN. 4PIN
Dimension (mm)	43.2 x 33.87 x 26.3
AC Plug	US, EU, UK & Australia

## Electrical Specifications :

Input Voltage	100~240Vac (90~264Vac min/max)
Frequency	50/60Hz Nom (47~63Hz min/max)
Input Current	0.14A (RMS) max @ 115Vac; 0.09A (RMS) max @ 230Vac
Output Voltage Range	4.75~5.25Vdc (Without cable/wire @25°C)
Output Current Range	0~1.0A
Maximum Output Power	5W
Output Ripple & Noise	80mVpk-pk max@25°C
Earth Leakage Current	0.02mA max
AC Inrush Current	30A max @ 264Vac (Cold Start @ Ambient 25°C)
Hold-up Time	10ms min @ 115Vac/230Vac, full load
Turn-On Delay Time	2s max @ 90Vac, full load
Rise Time	30ms max @ 230Vac, full load

## Environmental Specifications :

Operating Temperature	-10°C ~ +45°C
Storage Temperature	-40°C ~ +70°C
Humidity, Operation	5%~95% RH
Humidity, Storage	5%~95% RH
Altitude	5000M
MTBF (MIL-HDBK-217F)	>100K hrs @ 230Vac, 25°C

## Safety and Compliance :

Safety Certifications	IEC60950-1, UL/CSA 60950-1, CB60950-1, CE, cUL/UL
EMI Requirement	FCC part 15 class B rules, EN55022 class B rules, ANSI C63.4 class B rules, VCCI class II rules
EMS Requirement	
ESD	IEC61340-5-1: EN61000-4-2, Level 4, Criteria B (Contact 8KV, Air 15KV)
RS	EN61000-4-3, 80~1000MHz min 4V/m 80% AM (1KHz), Criteria A
CS	EN61000-4-6, 0.15~80MHz min 4V 80% AM (1KHz), Criteria A
EFT	EN61000-4-4, Input A.C. Power ports +/- 2KV 5/50 Tr/Th nS (repetition), Criteria B
Surge	EN61000-4-5, Level 3, Criteria B (L-N 1KV, Differential mode)
DIP	EN61000-4-11
EMS Requirement	FCC part 15 class B rules; EN55022 class B rules; ANSI C63.4 class B rules; VCCI class II rules
RES	EN301511



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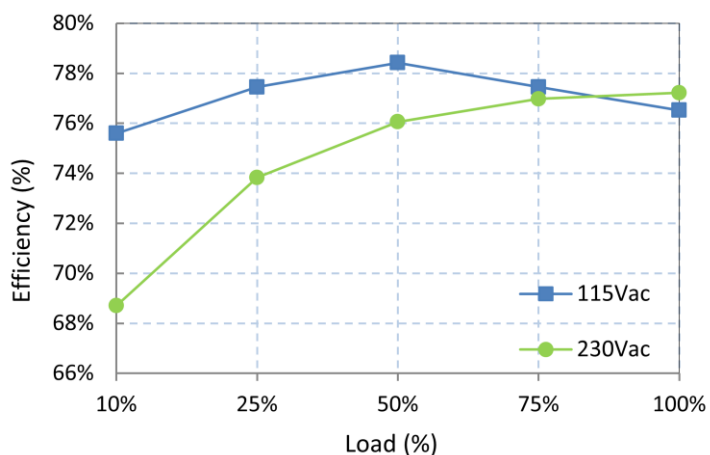
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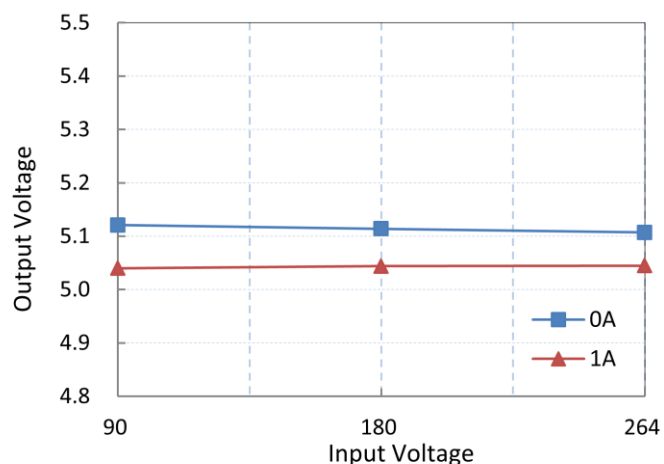
● 5V/1A ● US, UK, EU & Australia AC clip ● DoE 6, CoC V5 Tier 2



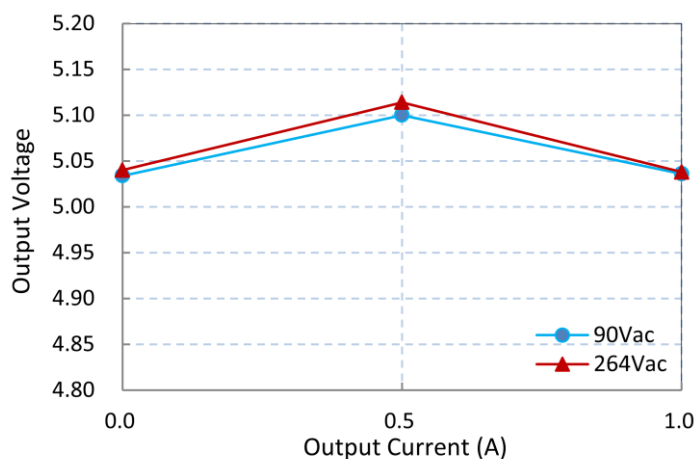
### Efficiency



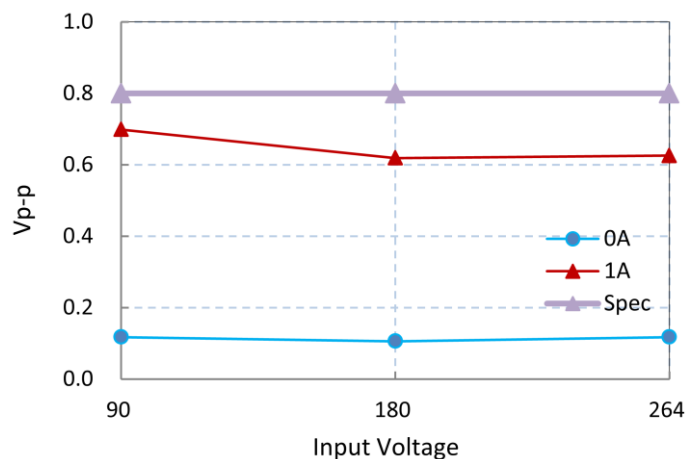
### Line Regulation



### Load Regulation



### Noise & Ripple



### Model Selections

Model Number	Plug Type	Case Color	Output Current (A $\pm 5\%$ )	Output Voltage (Vdc)	Max. Output Power (W)
AQ05V-050A-R	Interchangeable	Black	1	5	5

This model has US, UK, EU and Australia AC clips.



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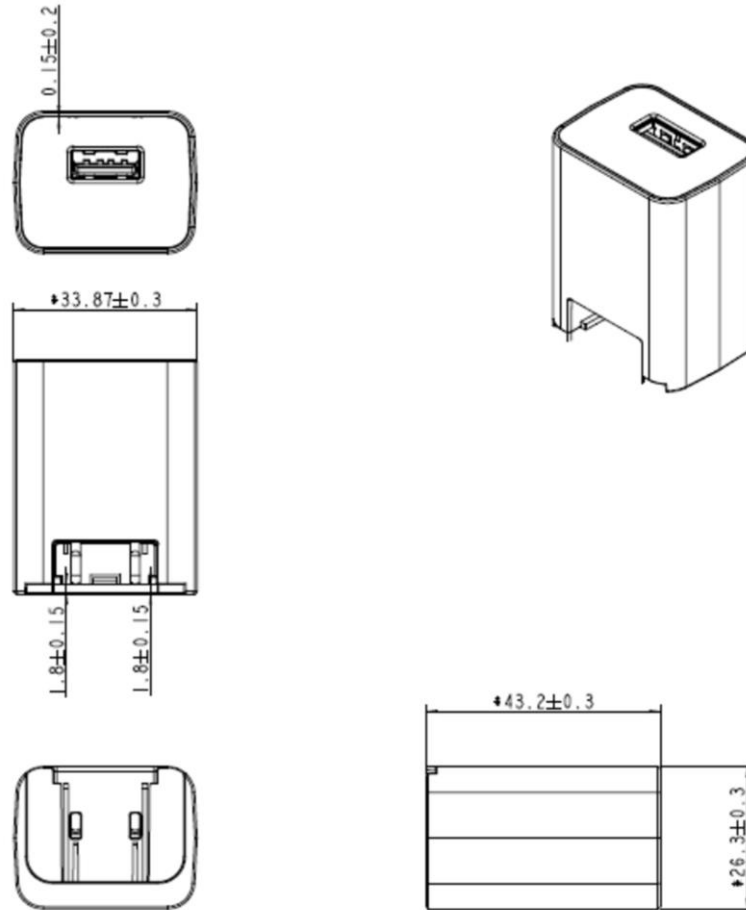
# 5W USB Type Interchangeable Clip Adapter

AQ05V-050A-R

●5V/1A ●US, UK, EU & Australia AC clip ●DoE 6, CoC V5 Tier 2



Dimensions: mm



## AC Clip Selections

Country	Model Number
US	VPA-AAB1B-R
EU	VPE-AAB1B-R
UK	VPK-AAB1B-R
Australia	VPS-AAB1B-R

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