



15W Fixed Pin Quick Charge 2.0 Adapter

PSA15X-308Q-H Series

● 5V/1.67A, 9V/1.67A, 12V/1.25A ● Fixed Pin ● USB ● Black/White



Phihong QC 2.0 adapter is compliant with Quick Charge 2.0 (QC 2.0) standard. This new product supports automatic sensing and switching between 3 output voltages (5V, 9V, 12V) to the QC 2.0-enabled mobile devices. It shortens the charging time by up to 75% and with efficiency significant above DOE level VI requirement, making your mobile device battery charging task an easy and joyful experience. Phihong is certainly your top choice for QC 2.0 adapters and alike. This adapter comes in US, EU, UK, or Korea pins.

Features :

Efficiency	CoC V5 Tier 2 & DOE Level VI
Power Saving	<0.75W @ no load, 115Vac/ 230Vac (5V)
Protection	OVP, OCP, SCP, OTP
Turn-On Delay Time	<200ms at nominal AC power on
Hold-up Time	>10ms @ max load, 115Vac/60Hz
Rise Time	<50ms @ max load, 115Vac/60Hz
Fall Time	<50ms @ max load, 115Vac/60Hz
Dynamic Response	Rise rate = 0.1A/us, Fall rate = 0.1A/us
	5V mode : 4.1~5.6V
	9V mode : 8.1~9.6V
	12V mode : 11.2~12.8V
	(Load transient: 0% → 100%)
	T _{high} = 5ms, T _{low} = 5ms

Electrical Specifications :

Input Voltage	100~240Vac (90~264Vac min/max)
Frequency	50/60Hz Nom (47~63Hz min/max)
Input Current	0.4A (RMS) Max
Output Voltage	5V, 9V, 12V
Maximum Output Power	15W continuous
Maximum Output Current	1.67A(5V), 1.67A(9V), 1.25A(12V)
Output Ripple & Noise	180mV (pk-pk)
Total Load Regulation	4.75~5.25V; 8.46~9.54V; 11.28~12.72V
Leakage Current	<20uA Max
Inrush Current	<60A max @ 25°C, cold start.
Isolation	Primary to Secondary 3000Vac, 10mA for
Insulation	Primary to Secondary >50M ohm 500Vdc

Environmental Specifications :

Operating Temperature	-5°C ~ +45°C
Storage Temperature	-40°C ~ +85°C
Humidity	0% ~ 90%

Safety and Compliance :

IEC/EN/UL 60950 Standard Compliance
EMI: EN55022, FCC class B
ESD : Air ±15KV, Contact: ±8KV E61000-4-2
Surge immunity: EN61000-4-5, Level 3 (1KV)

Note:

1. Measurements shall be made with an oscilloscope with 20MHz bandwidth. Output shall be bypassed at a connector with a 0.1uF ceramic capacitor and a 10uF low ESR electrolytic capacitor.
2. Efficiency: Measure efficiency at 100%, 75%, 50%, 25% load after burn-in 30 minutes at 100% load, then compute the arithmetic average of these 4 values.

*X=A, E, H, K A=USA E=EU H=Korea K=UK



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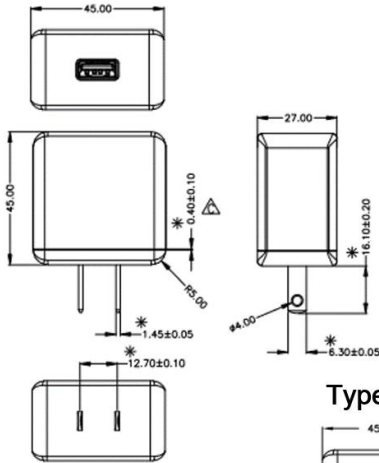


Dimensions: mm

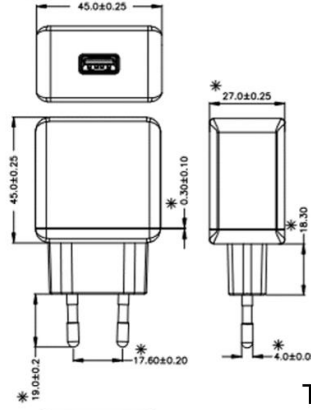


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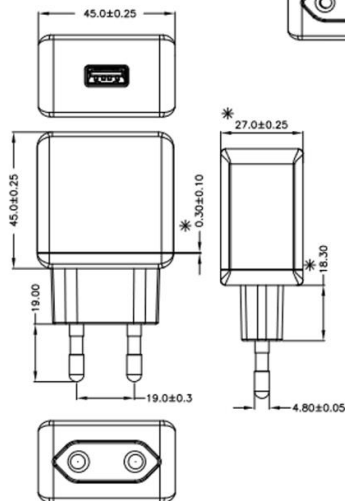
Type A



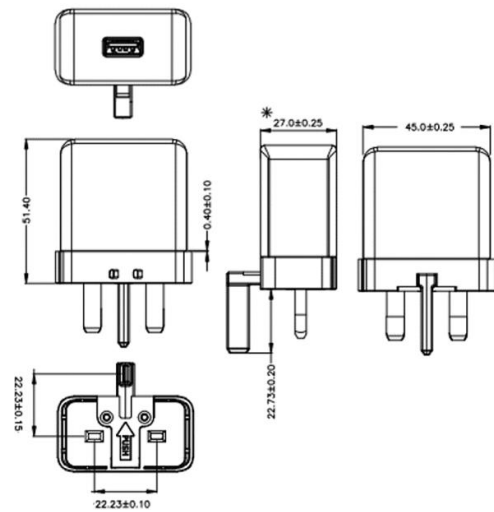
Type E



Type H



Type K



Model Selections

Model Number	Plug Type	Output Current (A)	Output Voltage (Vdc)	Max. Output Power (W)
PSA15A-308Q-H	US	1.67, 1.67, 1.25	5, 9, 12	15
PSA15E-308Q-H	EU	1.67, 1.67, 1.25	5, 9, 12	15
PSA15H-308Q-H	Korea	1.67, 1.67, 1.25	5, 9, 12	15
PSA15K-308Q-H	UK	1.67, 1.67, 1.25	5, 9, 12	15

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