



36W USB 3.1 Type C Adapter

AQ36A-59FA-H

- 5V/3A; 9V/3A; 15V/2.4A
- Type-C Reversible plug-in
- DoE 6, CoC V5 Tier 2
- Work with MacBook & Chromebook



Phihong 36W USB 3.1 Type-C Power Delivery (PD) adapter is an ideal charging solution for mobile devices. The 36W model follows USB 3.1 PD profile 3 and has output voltages 5V, 9V & 12V to charge Chromebook and MacBook. In addition, with the latest USB 3.1 Type-C receptacle, it allows the USB 3.1 cable either up or down orientation and reversible plug-in. It delivers both low no-load power consumption (<75mW) and high average efficiency (>88.3%) to meet DoE Level 6 and CoC V5 Tier 2 requirements.

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	$>50\text{M}\Omega$ @ 500Vdc, Primary to secondary
OCP	$<4.5\text{A}$ @ 5V & 9V; $<4\text{A}$ @ 15V
SCP	Auto recovery
OVP	$<20\text{V}$, shutdown mode
OTP	Shutdown mode
Average Efficiency	5V/3A: $>81.84\%$; 9V/3A: $>87.30\%$; 15V/2.4A: $>88.30\%$
Efficiency @ 10% load	5V/3A: $>72.48\%$; 9V/3A: $>77.30\%$; 15V/2.4A: $>78.30\%$
Dimension	67 x 48 x 29 mm
Weight	130g

Electrical Specifications :

Input Voltage	100~240Vac (90~264Vac min/max)
Frequency	50/60Hz Nom (47~63Hz min/max)
Input Current	0.9A (RMS) max @ 90Vac
Output Voltage Range	5V $\pm 5\%$; 9V $\pm 5\%$; 15V $\pm 5\%$
Output Current Range	0~3A; 0~2.4A
Maximum Output Power	36W
Output Ripple & Noise	200mVpk-pk @max load
Earth Leakage Current	0.25mA max.
AC Inrush Current	90A max @ 240Vac

Environmental Specifications :

Operating Temperature	0°C ~ +45°C
Storage Temperature	-40°C ~ +85°C
Humidity, Operation	90% RH Max
Humidity, Storage	90% RH Max
E-cap Life time	$>2\text{year}$ @ 25°C, Full load.
Altitude	5000M
MTBF (MIL-217)	$>50\text{K hours}$ @ 100V & 240V max load

Safety and Compliance :

Safety & EMC	IEC/EN/UL 60950 Standard.
ESD test	IEC 61000-4-2: Level 2, Contact $\pm 4\text{KV}$, Criteria B; Level 3, Air $\pm 8\text{KV}$, Criteria B Level 4, Contact $\pm 8\text{KV}$, Criteria C Level 4, Contact $\pm 15\text{KV}$, Criteria C
RS	IEC 61000-4-3, Level 2, Criteria A
EFT	IEC 61000-4-4, Level 2, Criteria B
Surge	IEC 61000-4-5, Level 3, Criteria B
RF	IEC 61000-4-6, Level 2, Criteria A
CS	IEC 61000-4-8, Level 1, Criteria A



PHIHONG TECHNOLOGY CO., LTD.

- +886-3-3277288
- www.phihong.com.tw
- phsales@phihong.com.tw



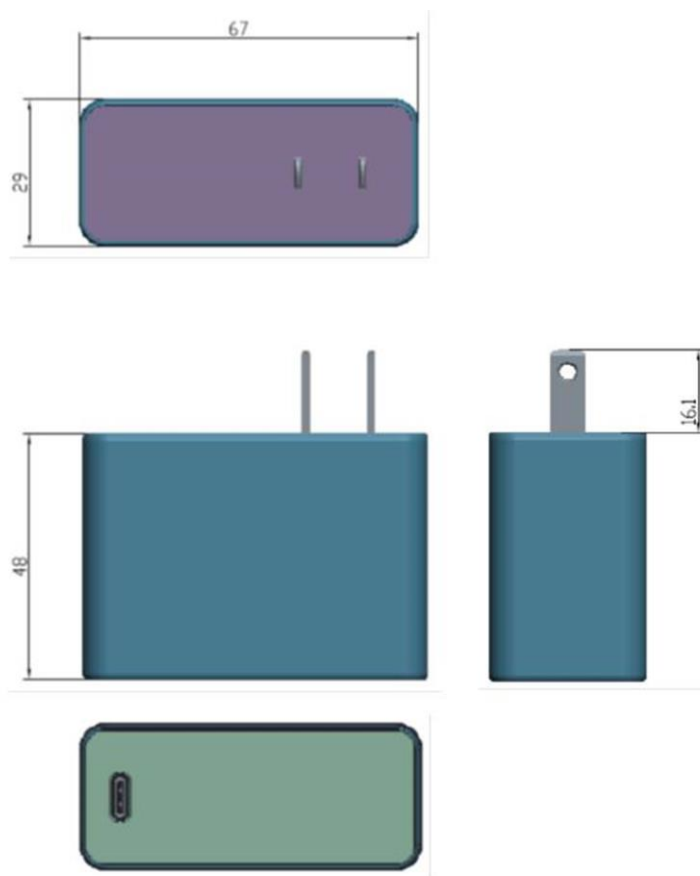
36W USB 3.1 Type C Adapter

AQ36A-59FA-H

- 5V/3A; 9V/3A; 15V/2.4A
- Type-C Reversible plug-in
- DoE 6, CoC V5 Tier 2
- Work with MacBook & Chromebook



Dimensions: mm



Model Selections

Model Number	Plug Type	Case Color	Output Voltage (Vdc)	Output Current (A $\pm 5\%$)	Max. Output Power (W)
AQ36A-59FA-H	Fixed	Black	5/9/15	3/3/2.4	36

Headquarters

No. 568, Fusing 3rd Rd.,
Gueishan District, Taoyuan City,
333, Taiwan, R.O.C.
Tel: +886-3-3277288
Fax: +886-3-3185999
phsales@phihong.com.tw
www.phihong.com.tw

Phihong USA

47800 Fremont Blvd.
Fremont, CA 94538, USA
Tel: +1-510-445-0100
Fax: +1-510-445-1678
usasales@phihongusa.com
www.phihong.com

Phihong China

Science & Technology Rd.,
Silver Lake Industrial Area
Qingxi Town, Dong Guan City,
Guang Dong (523648), China
Tel: +86-769-87319026
Fax: +86-769-87317106
phsales@phihong.com.tw

Phihong Japan

〒135-0016 東京都江東区東陽
3丁目23番24号 VORT 東陽町
ビル5階
TEL: +81-3-5677-1678
FAX: +81-3-5634-5255
phsales@phihong.com.tw
www.phihong.co.jp

Phihong Europe

Wattstraat 50, 2171 TR
Sassenheim, The Netherlands
Tel: +31-(0)-252-225910
Fax: +31-(0)-252-218764
sales@phihong.eu.com
www.phihong-lighting.com



PHIHONG TECHNOLOGY CO., LTD.

- +886-3-3277288
- www.phihong.com.tw
- phsales@phihong.com.tw