



18W USB Type-C with Power Delivery Adapter



Features

- USB-C PD 3.0 Certified
- DOE Level VI
- Small Form Factor/High Power Density
- Class B EMI

Applications

- Mobile Phone
- Tablet
- Networking Devices
- Monitor

Safety Approvals

- UL/cUL 60950-1
- UL/cUL 62368-1

Mechanical Characteristics

- Length: 52mm (2.05in)
- Width: 40mm (1.57in)
- Height: 23.3mm (0.92in)
- Weight: 55g (1.94oz) Reference

Output Specifications

Model	DC Output Voltage	Load		Ripple ¹ P-P (max.)	Regulation Line & Load
		Min.	Max.		
AQ18A-59A-H ²	5V/9V	0A	3A/2A	200mV	±5%
AQ18A-59CFA-H	5V/9V/12V/15V	0A	3A/2A/1.5A/1.2A	200mV	±5%

Notes:

1. Measurement made with an oscilloscope with 20MHz Bandwidth. Output bypassed at connector with a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor (Low ESR)
2. Special order items. Minimum order quantity applies.

Input:**AC Input Voltage Rating**

100 to 240V AC

AC Input Voltage Range

90 to 264V AC

AC Input Current

0.5A(RMS) max at 100V AC input

Leakage Current

100uA max

Input Power Saving²

≤75mW at no load at 230VAC/50Hz

Output:**Efficiency**

DOE Level VI

Hold-up Time

3mS min at 115VAC/60Hz

Environmental:**Temperature**

Operation

0°C to +40°C

Non-operation

-30°C to +70°C

Relative Humidity

10 to 90%

Emissions

FCC Class B

EN55032 Class B

Immunity

ESD: EN61000-4-2

RS: EN61000-4-3

EFT: EN61000-4-4

Surge: EN61000-4-5

CS : EN61000-4-6

MS : EN61000-4-8

Dip: EN61000-4-11

Dielectric Withstand (Hi-pot) Test

Pri. to Sec. 3000VAC 3mA for 1 Minute

Insulation Resistance

Pri to Sec. >100M ohm at 500VDC

FEATURES:**Over-Voltage Protection**

6.25V max for 5V; 11.25V max for 9V; 15V max for 12V; 18.75V max for 15V

Over-Current Protection

Auto-recovery. 4.05A max for 5Vdc; 2.7A max for 9Vdc; 2.025A max for 12Vdc; 1.62A max for 15Vdc

Over-Temperature Protection

Latch off function. Case temperature shall not exceed 95°C

Short-Circuit Protection

Auto-recovery

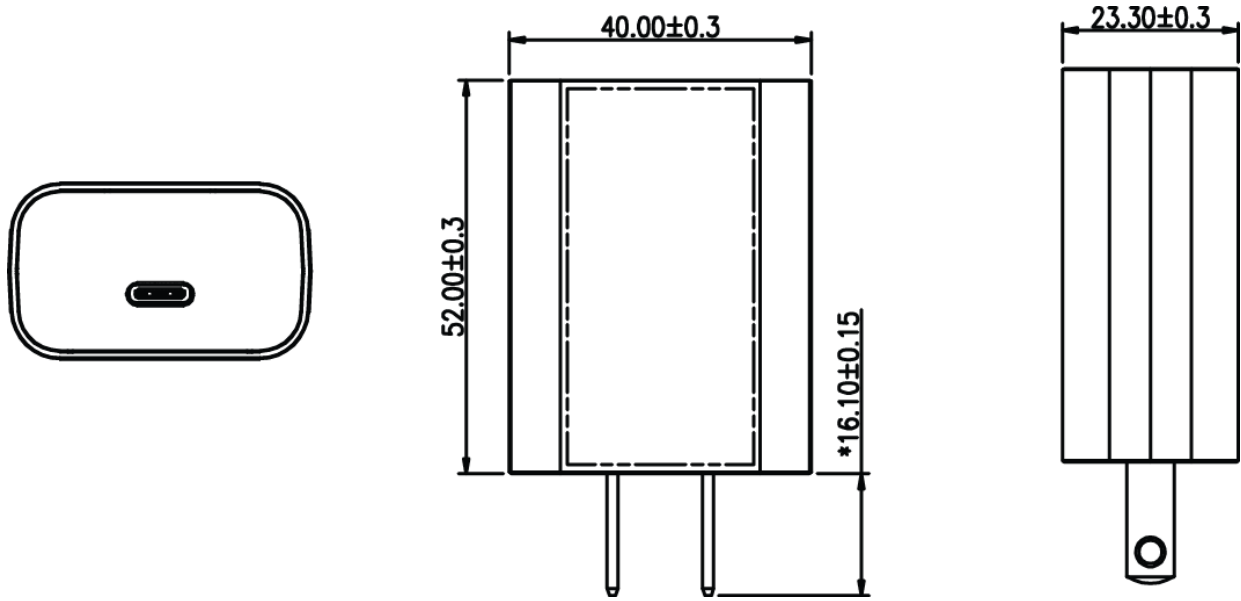
DC Output Connector

USB Type-C receptacle

Notes:

1. The characteristics defined are at ambient temperature of 25°C unless otherwise specified
2. After 15 minutes warm-up

Dimension Diagram Unit: mm



USB Cables – Sold Separately

<p>Part no: UES-1001A160</p>	<p>Desc: Low Drop Type-C USB Cable – 1 Meter – 23AWG on Power – 30AWG on Data - Black</p>
<p>Part no: UES-1003A160</p>	<p>Desc: Low Drop Type-C USB Cable - 1 Meter – 23AWG on Power – 30AWG on Data - White</p>



Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information

Phihong USA Corporation
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Fremont, CA 94538
Telephone: (510) 445-0100
www.phihong.com

This device complies with/The devices in this product series comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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