



## 45 Watt USB Power Delivery 2.0 Adapter with USB-C



### Features

- USB-C
- Class B EMI
- Limited Power Source (LPS)
- OVP, OCP, OTP & Short Circuit Protection
- DOE Level VI, CoC V5 Tier 2

### Applications

- Mobile Phone
- Tablet
- Notebook
- Networking Devices
- Monitor

### Safety Approvals

- U/cUL
- CB
- CE

### Mechanical Characteristics

- Length: 67mm (2.64in)
- Width: 48mm (1.89in)
- Height: 29mm (1.41in)
- Weight: 145g (.32lbs)

### Output Specifications

Model	Prong Style	DC Output Voltage	Current Rating	Ripple <sup>(1)</sup> P-P (max.)	Efficiency Level
AQ45A-5CKA	US	5V/12V/20V	3A/3A/2.25A	200mV	VI
AQ45E-5CKA	EU	5V/12V/20V	3A/3A/2.25A	200mV	VI

Notes: (1) Measured by using a 12 inch twisted pair terminated with a 10uF & 0.1uF ceramic in parallel. Oscilloscope is set to 20MHz.

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**Input:**

**AC Input Voltage Rating**  
100 to 240V AC

**AC Input Voltage Range**  
90 to 264V AC

**AC Input Frequency**  
50 to 60Hz

**Input Current**  
<1A (RMS) maximum at 90Vac @max load

**Leakage Current**  
0.25mA Max.

**Inrush Current**  
90Amax @240Vac/50Hz (Cold start)

**Input Power Saving**  
.075W max @230VAC /50Hz

**Output:**  
**Efficiency**  
US DOE Level VI  
CoC V5 Tier 2

**Environmental:**  
**Temperature**  
Operation 0 to +45°C  
Non-operation -40 to +85°C  
Humidity 90% RH max

**DC Output Connector**  
USB Type C

**Emissions**  
FCC Class B  
EN55022 Class B

**Immunity**  
IEC61000-4-2:  
Level 2, Contact ±4KV, Criteria B  
Level 3, Air ±8KV, Criteria B  
Level 4, Contact ±8KV, Criteria C  
Level 4, Air ±15KV, Criteria C  
IEC61000-4-3, Level 2, Criteria A  
IEC61000-4-4, Level 2, Criteria B  
IEC61000-4-5, Level 3, Criteria B  
IEC61000-4-6, Level 2, Criteria A  
IEC61000-4-8, Level 1, Criteria A

**Hold-up Time**  
10.3mS minimum at 110V/60Hz, Output 20V/2.25A

**Over-Voltage Protection**  
<24Vshutdown

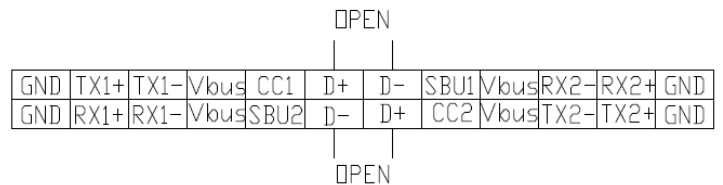
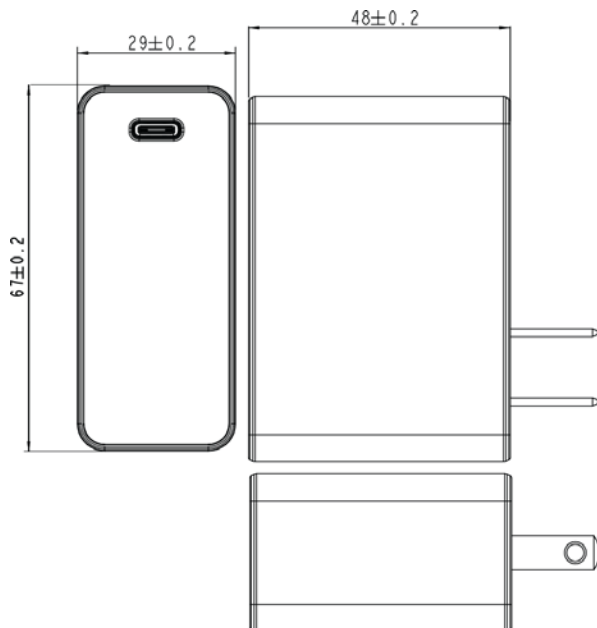
**Over-Temperature Protection**  
Shutdown mode

**Over-Current Protection**  
Output current shall not exceed 4.5A@5&12V,  
4A@20V

**Short-Circuit Protection**  
Auto Recover

**Dielectric Withstand (Hi-pot) Test**  
Primary to Secondary: 3000V AC for 1 min., 10mA

**AQ45A-5CKA Dimension Diagram Unit: mm (inch)**



**AQ45E-5CKA Dimension Diagram Unit: mm (inch)**

