



# 65W Power Delivery 3.0 Desktop Adapter with USB-C Plug



## Features

- Power Delivery 3.0
- USB-C
- US DoE Level VI Efficiency Compliance
- Ecodesign/ErP Lot 7 (EU) 2019/1782 Compliance
- EU CoC Ver 5 Tier 2 Compliance
- OVP, OCP, OTP, Short Circuit Protections
- Class B EMI
- Limited Power Source (LPS)

## Applications

- Mobile Phone
- Tablet
- Networking Device
- Monitor
- Notebook





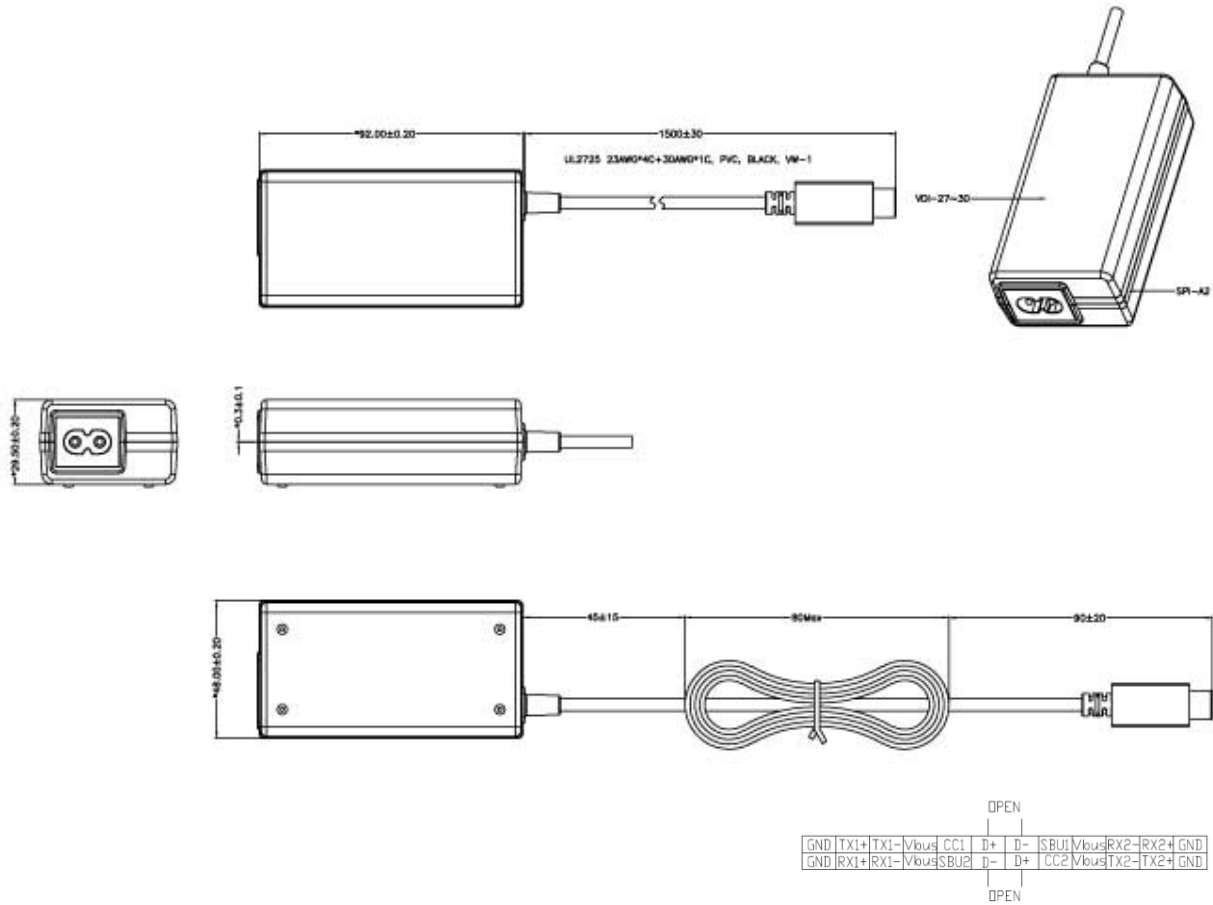
# AA65 Series Specifications<sup>1</sup>

| Model                    |  | AA65M-59FKA-R  | AA65W-59FKA-R |
|--------------------------|--|--|---------------|
| Output                   | DC Output Voltage  | 5.0V/9.0V/15.0V/20.0V  |               |
|                          | Max Current  | 3.0A/3.0A/3.0A/3.25A   |               |
|                          | Output Power   | 15.0W/27.0W/45.0W/65.0W  |               |
|                          | Regulation   | ± 5%   |               |
|                          | Ripple & Noise P-P(max) <sup>2</sup>   | 200mV  |               |
| Input                    | AC Input Voltage Range   | 90 to 264VAC   |               |
|                          | AC Input Frequency   | 47 to 63Hz   |               |
|                          | Input Current  | 1.5A (RMS) max at 100VAC   |               |
|                          | No Load Power Consumption at 115VAC Input  | 0.0339W  |               |
|                          | No Load Power Consumption at 230VAC Input  | 0.0619W  |               |
|                          | 115VAC Average Efficiency <sup>3</sup>   | 5V: 87.51%, 9V: 90.80%, 15V: 91.6%, 20V: 90.888%   |               |
|                          | 230VAC Average Efficiency <sup>3</sup>   | 5V: 85.529%, 9V: 89.86%, 15V: 91.67%, 20V: 90.407%   |               |
|                          | 230VAC 10% Load Efficiency <sup>3</sup>  | 5V: 84.263%, 9V: 90.57%, 15V: 89.71%, 20V: 83.8175%  |               |
|                          | Leakage Current  | 100uA max at 240VAC/50Hz   |               |
| Protection               | Over-Voltage   | Auto recover. 130% max   |               |
|                          | Short Circuit  | Auto recover. Output can be shorted permanently without damage.  |               |
|                          | Over-Current   | Auto recover. Trigger point <130%  |               |
| Environmental            | Operating Temperature  | 0°C to +40°C   |               |
|                          | Non-Operating Temperature  | -30° to +85°C  |               |
|                          | Operating Humidity   | 90% RH max   |               |
| Safety Approvals and EMC | Dielectric Withstand (HI-POT)  | Primary to Secondary: 3000VAC for 1min, 2mA  |               |
|                          | Insulation Resistance  | Primary to Secondary: >100M ohm for 500VDC   |               |
|                          | Standards  | cULus 62368-1, IEC 62368-1   |               |
|                          | EMI Emissions  | FCC Part 15 Class B, CAN ICES-003(B)/NMB-003(B), EN 55032/CISPR 32 Class B Conducted and Radiated  |               |
|                          | Harmonic Current Emissions   | IEC 61000-3-2  |               |
|                          | Voltage Fluctuations & Flicker   | IEC 61000-3-3  |               |
|                          | Immunity   | EN 55024/CISPR 24: IEC 61000-4-2 (+/- 8kV air, +/- 4kV contact), IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5 (+/-1kV L-L, +/-2kV L-PE), IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11 |               |
| Mechanical               | Dimensions (L x W x H)   | 92.0mm (3.62in) x 48.0mm (1.89in) x 29.5mm (1.16in)  |               |
|                          | Weight   | 6.4oz  |               |
|                          | Cable Length   | 1500mm   |               |
|                          | DC Output Connector  | USB Type C   |               |
|                          | Input Connector  | IEC 60320 C6   | IEC 60320 C8  |
| Notes                    | <ol style="list-style-type: none"> <li>The specifications defined are at ambient temperature of 25C, unless otherwise specified.</li> <li>20MHz bandwidth frequency oscilloscope, add a 0.1µF multilayer Cap. and Low ESR Electrolytic Cap. (10µF) at output connector terminals (nominal line voltage, full load).</li> <li>Efficiency is measured after 30 minutes burn-in.</li> </ol> |  |               |





# AA65W-59FKA-R Outline Drawing





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

Phihong USA Corporation  
47800 Fremont Boulevard  
Fremont, CA 94538  
Telephone: (510) 445-0100  
[www.phihong.com](http://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.*



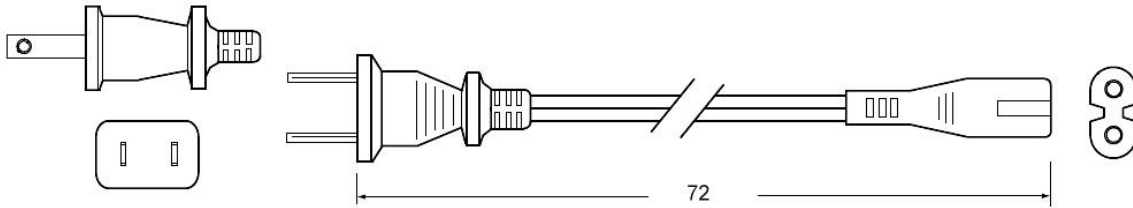
# Line Cords - Sold Separately

| Model            |                 | AC15WNA-R   | AC15WEU-R  | AC15WUK-R   |
|------------------|-----------------|---|--|---|
| Specifications   | Plug Type       | North America<br>NEMA 1-15P   | Continental Europe<br>CEE 7XVI   | United Kingdom<br>BS 1363   |
|                  | Connector       | IEC320 C7   | IEC320 C7  | IEC320 C7   |
|                  | Wire Size       | 18 AWG  | 0.75mm   | 0.75mm  |
|                  | Temperature     | 60°C  | 70°C   | 70 °C   |
|                  | Amperage Rating | 10A   | 2.5A   | 5A  |
|                  | Voltage Rating  | 125V  | 250V   | 250V  |
|                  | Cable Length    | 72mm  | 1830mm   | 1830mm  |
| Safety Approvals |                 | CSA; UL   | CEBEC; DEMKO;<br>DVE; FIMKO; GOST;<br>IMQ; KEMA;<br>NEMKO; NF; OVE;<br>SEMKO; SEV    | BSI; Safety Mark  |
| Photos           |                 |  |  |  |

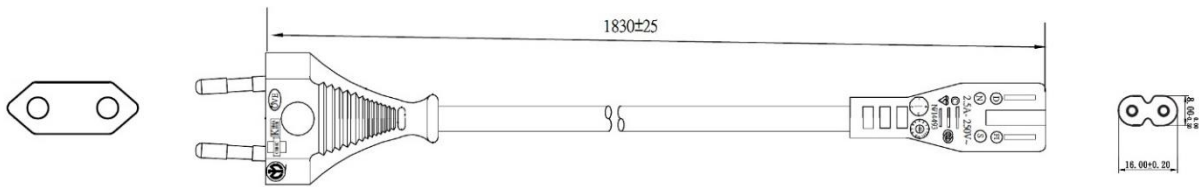


# Line Cords - Outline Drawings

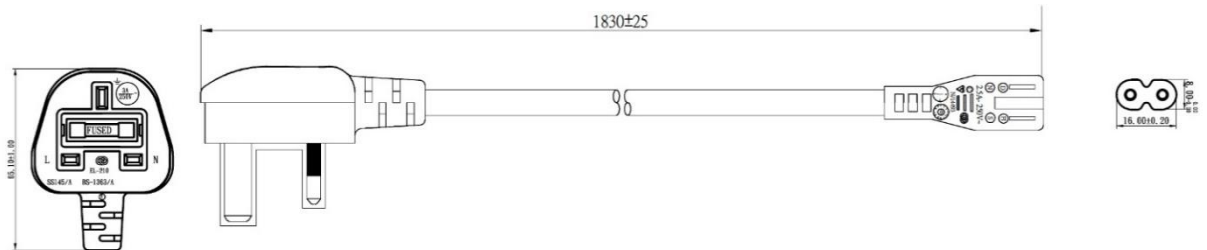
**AC15WNA-R**



**AC15WEU-R**



**AC15WUK-R**



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phihong:](#)

[AA65W-59FKA-R](#) [AA65M-59FKA-R](#)