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65 Watt Power Desktop Adapter w	Delivery 3.0 ith USB-C Plug
Features	
 Power Delivery 3.0 USB-C Limited Power Source (LPS) DOE Level VI, CoC V5 Tier 2 	 OVP, OCP, OTP and Short Circuit Protections Class B EMI
Applications	
Mobile PhoneTabletNotebook	Networking DevicesMonitor
Safety Approvals (Preliminary)	
UL/cUL 62368-1CB IEC 62368-1	• CE
Mechanical Characteristics	
 Length: 92mm (3.62in) Width: 48mm (1.89in) 	• Height: 29.5mm (1.16in)

Model	DC Output Voltage	Current Rating	Ripple ¹ P-P (max.)	Input Connector		
AA65M-59FKA-R	5V/9V/15V/20V	3A/3A/3A/3.25A	200mV	IEC60320-C6		
AA65W-59FKA-R	5V/9V/15V/20V	3A/3A/3A/3.25A	200mV	IEC60320-C8		

Notes:

 Measures at the end of 100m ohm cable. Measurements shall be made with an oscilloscope with 20MHz Bandwidth. Outputs should be bypassed at a connector with a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor (Low ESR).

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AA65X-59FKA-R Characteristics¹

Input: AC Input Voltage Rating 100 to 240VAC

AC Input Voltage Range 90 to 264VAC

AC Input Frequency 47 to 63Hz

Input Current 1.5A (RMS) max at 100VAC

Leakage Current 100uA max at 240VAC/50Hz

Input Power Saving <75mW max @230VAC

Output:

Efficiency² US DOE Level VI CoC V5 Tier 2

Environmental:

Temperature Operation Non-operation Humidity

0°C to +40°C -30°C to +85°C 90% RH max

DC Output Connector USB Type C

					ΠP	EN					
GND	TX1+	TX1-	Vbus	CC1]+	D-	SBU1	Vbus	RX2-	RX2+	GND
GND	RX1+	RX1-	Vbus	SBU5	D-	[]+	CC5	Vbus	TX2-	TX2+	GND
DPEN											

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Emissions Complies with FCC Class B Complies with EN55032 Class B

Immunity EN61000-4-2: Contact ± 8KV, Criteria B Air ± 15KV, Criteria B EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-8 EN61000-4-11 EN61000-3-3

Hold-up Time 8.3mS min at 120VAC/60Hz, max load

Over-Voltage Protection Auto recover.130% max

Over-Temperature Protection Latch off function. No damage.

Over-Current Protection Auto recover. Trigger point <130%

Short-Circuit Protection

Auto Recover. The output can be shorted permanently without damage

Dielectric Withstand (Hi-pot) Test

Pri. to Sec. 3000VAC for 1 min., 2mA

Notes:

1.

- The characteristics defined are at ambient temperature of 25°C unless otherwise specified
- 2. Efficiency is measured after 30 minutes burn-in

AA65M-59FKA-R

Dimension Diagram Unit: mm







AA65W-59FKA-R

Dimension Diagram Unit: mm





