



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 Specifications¹

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) ²	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 ³	5V: 87.51%, 9V: 90.80%, 15V: 91.6%, 20V: 90.888%	
	230VAC Average Efficiency ³	5V: 85.529%, 9V: 89.86%, 15V: 91.67%, 20V: 90.407%	
	230VAC 10% Load Efficiency ³	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 55035/CISPR 35: 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	- The specifications defined are at ambient temperature of 25°C, unless otherwise specified. 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). - Efficiency is measured after 30 minutes burn-in.		

AA65W-59FKA-R Outline Drawing

