



27W Fixed Blade USB-C Charger with Power Delivery 3.0 – UK



Features

- USB Type-C
- Power Delivery 3.0 Compliance
- Fixed Blade
- Ecodesign/ErP Lot 7 (EU) 2019/1782 Compliance
- CoC Version 5 Tier 2 Compliance
- Limited Power Source (LPS)
- Class B EMI
- OVP and short circuit protection

Applications

- Mobile Phones
- Networking Devices
- Tablets

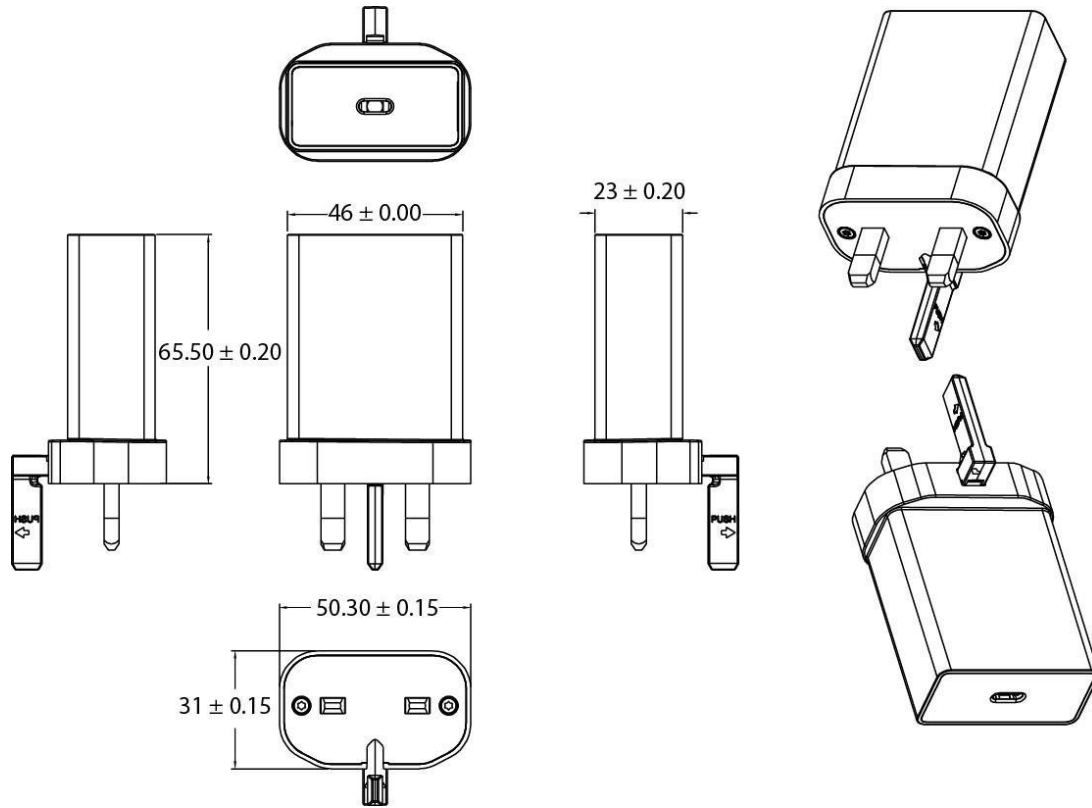


AQ27K Specifications¹

Model		AQ27K-59A-H ²	AQ27K-59CFA-H ²
Output	DC Output Voltage	5.0V/9.0V	5.0V/9.0V/12.0V/15.0V
	Max Current	3.0A/3.0A	3.0A/3.0A/2.25A/1.8A
	Output Power	18.0W/27.0W	18.0W/27.0W/27.0W/27.0W
	Regulation	± 5%	
	Ripple & Noise P-P(max) ³	200mV	
Input	AC Input Voltage Range	90 to 264VAC	
	AC Input Frequency	47 to 63Hz	
	Input Current	0.8A (RMS) max at 100VAC	
	No Load Power Consumption at 230VAC Input	≤ 0.075 W	≤ 0.075 W
	230VAC Average Efficiency ⁴	5V ≥ 81.84%, 9V ≥ 87.30%	5V ≥ 81.84%, all other output voltages ≥ 87.30%
	230VAC 10% Load Efficiency ⁴	5V ≥ 72.48%, 9V ≥ 77.30%	5V ≥ 72.48%, all other output voltages ≥ 77.30%
	Leakage Current	65uA max at 250VAC 50Hz	
Protections	Over-Voltage	Auto-recover. 130% max	
	Over-Current	Auto-recover. Trip point is less than 130% of Io	
	Short Circuit	Auto-recover	
	Over Temperature	Latch off. No damage.	
Environmental	Operating Temperature	0°C to +40°C	
	Non-Operating Temperature	-30° to +85°C	
	Operating Humidity	10 to 90% RH	
Safety Approvals and EMC	Dielectric Withstand (HI-POT)	Primary to Secondary: 3000VAC for 1min, 3mA	
	Insulation Resistance	Primary to Secondary: >100M ohm for 500VDC	
	Standards	IEC 62368-1	
	EMI Emissions	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 (Contact: ±8KV, Air: ±15KV), IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5 (± 1kV), IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11		
Mechanical	Dimensions (L x W x H)	65.5mm (2.58in) x 46.0mm (1.81in) x 31.0mm (1.22in)	
	DC Output Connector	USB-C	
Notes	<ol style="list-style-type: none"> The specifications defined are at ambient temperature of 25°C, unless otherwise specified. Special order item. Minimum order quantity applies. 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. 		



AQ27K Outline Drawing





USB Cables – Sold Separately

Unit: mm

Part no: UES-1001A160	Desc: Low Drop Type-C USB Cable – 1 Meter – 23AWG on Power – 30AWG on Data - Black
<p>The technical drawing shows a side view of a USB Type-C cable. The total length is 1000±30 mm. The cable has a diameter of 6.65±0.1 mm. The connector housing has a diameter of 6.4±0.1 mm. The drawing includes two cross-sectional views of the cable jacket, labeled #1 and #2. Cross-section #1 shows the internal conductors and shielding, with labels A1, B1, A12, and B12. Cross-section #2 shows the internal conductors and shielding, with labels B1, A12, B12, and A1. The specifications are: UL2725 80°C 30V 30#*1P+1C 23#*1C 24#*2C.</p>	