

**KEY FEATURES**

- Din Rail Switching Power Supply with PFC
- Universal Input: 90-260 VAC
- Single Output
- 5 VDC to 48 VDC Output
- 3000 VAC Input to Output Isolation
- Ultra Compact Size: 4.53 x 3.54 x 1.59 Inches
- 2-Year Product Warranty

**PRELIMINARY**

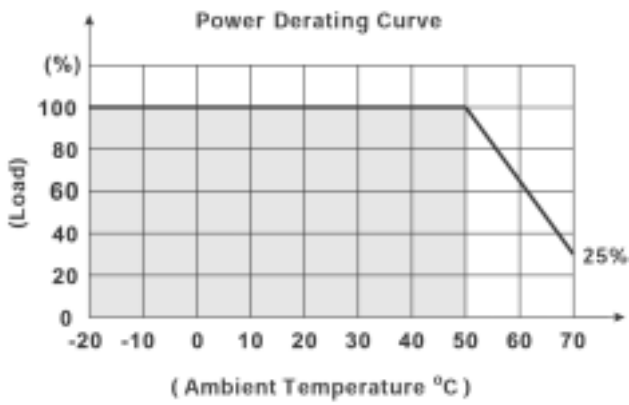
**ELECTRICAL SPECIFICATIONS**

Model No.		AQF125D-5S	AQF125D-12S	AQF125D-24S	AQF125D-48S
Max output wattage (W)		125W	125W	125W	125W
Input	Voltage	90-260 VAC or 120-370 VDC			
	Frequency (Hz)	47-63 Hz			
	Current (Full load)	3 A max. (115 VAC) / 1.5 A max. (230 VAC)			
	Inrush current (<2ms)	30 A max. (115 VAC) / 60 A max. (230 VAC)			
	Leakage Current	1.5 mA max.			
Output	Voltage (V.DC.)	5V	12V	24V	48V
	Voltage accuracy	±2%	±2%	±2%	±2%
	Current (A) max	25000	10400	5200	2600
	Line regulation (typ.)	±1%	±1%	±1%	±1%
	Load regulation (10-100%) (typ.)	±1%	±1%	±1%	±1%
	Minimum load	0%	0%	0%	0%
	Maximum capacitive load	470-23,000µF depending on model			
	Ripple & Noise	1% max.	1% max.	1% max.	1% max
	Transient Recovery Time	300 µS			
	Efficiency	80%	83%	84%	86%
	Hold-up time	20 ms min.			
	Switching frequency	125 kHz	125 kHz	125 kHz	125 kHz
Protection	Over current protection	Auto recovery			
	Over voltage protection	Latch off			
	Short circuit protection	Auto recovery			
	Remote Sense	Compensate for 0.5V load drop min.			
Isolation	Voltage (V.AC)	3000V	3000V	3000V	3000V
Environment	Operating temperature	0°C...+50°C			
	Storage temperature	-40°C...+85°C			
	Temperature coefficient	0.02%/°C	0.02%/°C	0.02%/°C	0.02%/°C
	Humidity	95% RH			
	MTBF	Pending			
Physical	Dimension (L x W x H)	4.53 x 3.54 x 1.59 Inches (115 x 90 x 40.5 mm)			
	Case	Plastic			
	Weight	640 g			
	Cooling method	Free air convection			
Safety	Agency approvals	Pending			
EMC	EMI (Conducted & Radiated Emission)	Pending			
	EMS (Noise Immunity)	Pending			

All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

**MECHANICAL DIMENSION (Top View)**

**DERATING**



**BLOCK DIAGRAM**

