

KEY FEATURES

- Din Rail Switching Power Supply
- 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

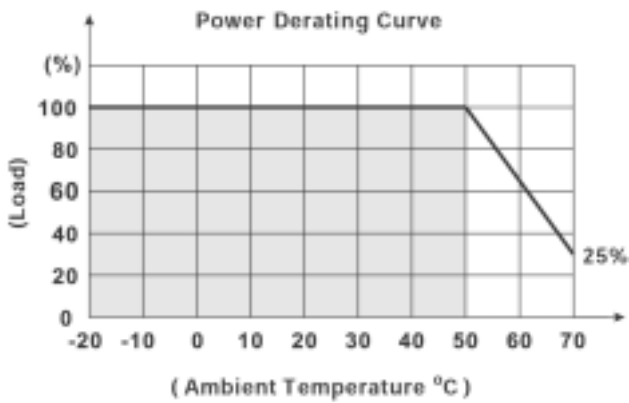
ELECTRICAL SPECIFICATIONS

Model No.	AQS125D-5S	AQS125D-12S	AQS125D-24S	AQS125D-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%			
	Current (A) max			
	25000			
	10400			
	5200			
	2600			
Line regulation (typ.)				
±1%				
Load regulation (10-100%) (typ.)				
±1%				
Minimum load				
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				
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

