

**KEY FEATURES**

- Switching Adapter
- Universal Input: 90-260 VAC
- Single Output
- 12 VDC to 24 VDC Output
- Overvoltage Protection
- Continuous Short Circuit Protection
- 2-Year Product Warranty

*PRELIMINARY*

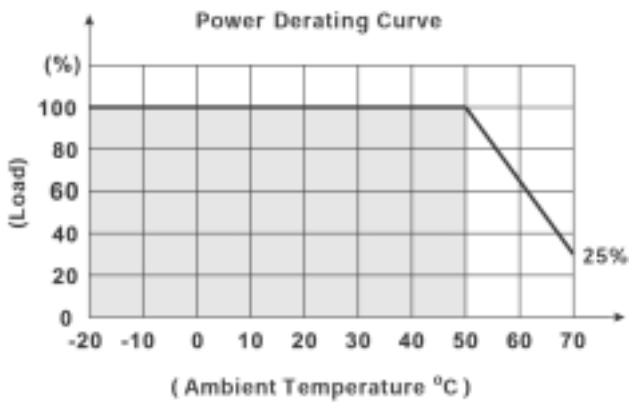

**ELECTRICAL SPECIFICATIONS**

Model No.	AQS75A-12S	AQS75A-15S	AQS75A-18S	AQS75A-24S
Max output wattage (W)	75W	75W	75W	75W
Input	Voltage			
	90-260 VAC or 120-370 VDC			
	Frequency (Hz)			
	47-63 Hz			
	Current (Full load)			
2 A max. (115 VAC) / 1 A max. (230 VAC)				
Inrush current (<2ms)				
20 A max. (115 VAC) / 40 A max. (230 VAC)				
Leakage Current				
0.5 mA max.				
Output	Voltage (V.DC.)			
	12V			
	Voltage accuracy			
	±2%			
	Current (A) max			
	6250			
	Line regulation (typ.)			
	±1%			
	Load regulation (10-100%) (typ.)			
	±1%			
	Minimum load			
	0%			
Maximum capacitive load				
470-23,000µF depending on model				
Ripple & Noise (Vp-p)				
50mV max				
Transient Recovery Time				
300 µS				
Efficiency				
80%				
Hold-up time				
20 ms min.				
Switching frequency				
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			
Environment	Operating temperature			
	0°C...+50°C			
	Storage temperature			
	-40°C...+85°C			
	Temperature coefficient			
0.02%/°C				
Humidity				
95% RH				
MTBF				
Pending				
Physical	Dimension (L x W x H)			
	5.2 x 2.28 x 1.48 Inches (132 x 58 x 37.5 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**

