

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

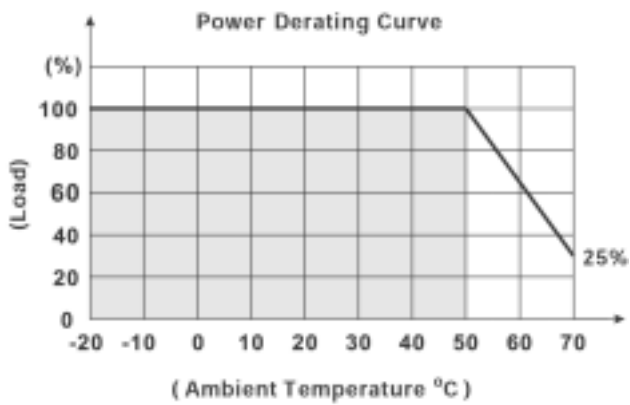

ELECTRICAL SPECIFICATIONS

Model No.		AQS125A-12S	AQS125A-15S	AQS125A-18S	AQS125A-24S
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.)	12V	15V	18V	24V
	Voltage accuracy	±2%	±2%	±2%	±2%
	Current (A) max	10400	8330	6950	5200
	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)	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

