

KEY FEATURES

- Open Frame Switching Power Supply, 1U
- Universal Input: 90-260 VAC
- Single Output
- 5 VDC to 24 VDC Output
- 3000 VAC Input to Output Isolation
- Ultra Compact Size: 5 x 2 x 1.28 Inches
- 2-Year Product Warranty

PRELIMINARY

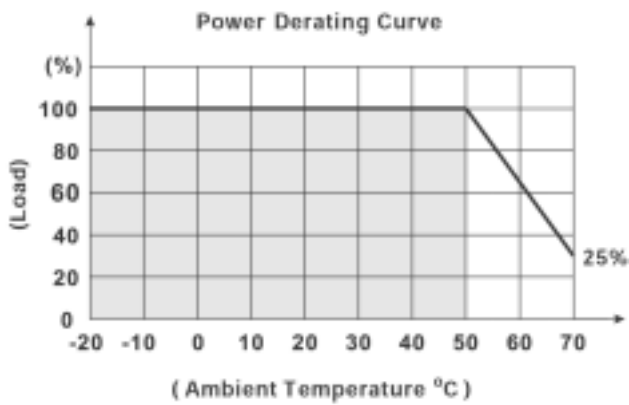

ELECTRICAL SPECIFICATIONS

Model No.	AQS1250-5S	AQS1250-12S	AQS1250-15S	AQS1250-24S
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.)			
	5V	12V	15V	24V
	Voltage accuracy			
	±2%	±2%	±2%	±2%
	Current (A) max			
	25000	10400	8330	5200
	Line regulation (typ.)			
	±1%	±1%	±1%	±1%
	Load regulation (10-100%) (typ.)			
	±1%	±1%	±1%	±1%
Minimum load				
0%				
Maximum capacitive load				
470-23,000µF depending on model				
Ripple & Noise				
1% max	1% max	1% max	1% max	
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	Input-Output (V.AC)			
	3000V	3000V	3000V	3000V
	Input-FG (V.AC)			
1500V	1500V	1500V	1500V	
Output-FG (V.AC)				
500V	500V	500V	500V	
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)			
	5.0 x 2.0 x 1.28 Inches (127 x 50.8 x 32.5 mm)			
	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

