

KEY FEATURES

- Switching Power Module for PCB Mountable
- High Efficiency up to 92%
- Active PFC Function, >0.95 (230Vac), >0.98 (115Vac)
- Universal Input: 90-264 VAC
- Low Leakage Current, <0.5mA
- Four M3 Mounting Holes Optional on Bottom Side
- EN55022 Class B Meets
- Continuous Short Circuit Protection with Hiccup Mode and Auto Recover
- 3-Years Product Warranty



ELECTRICAL SPECIFICATIONS

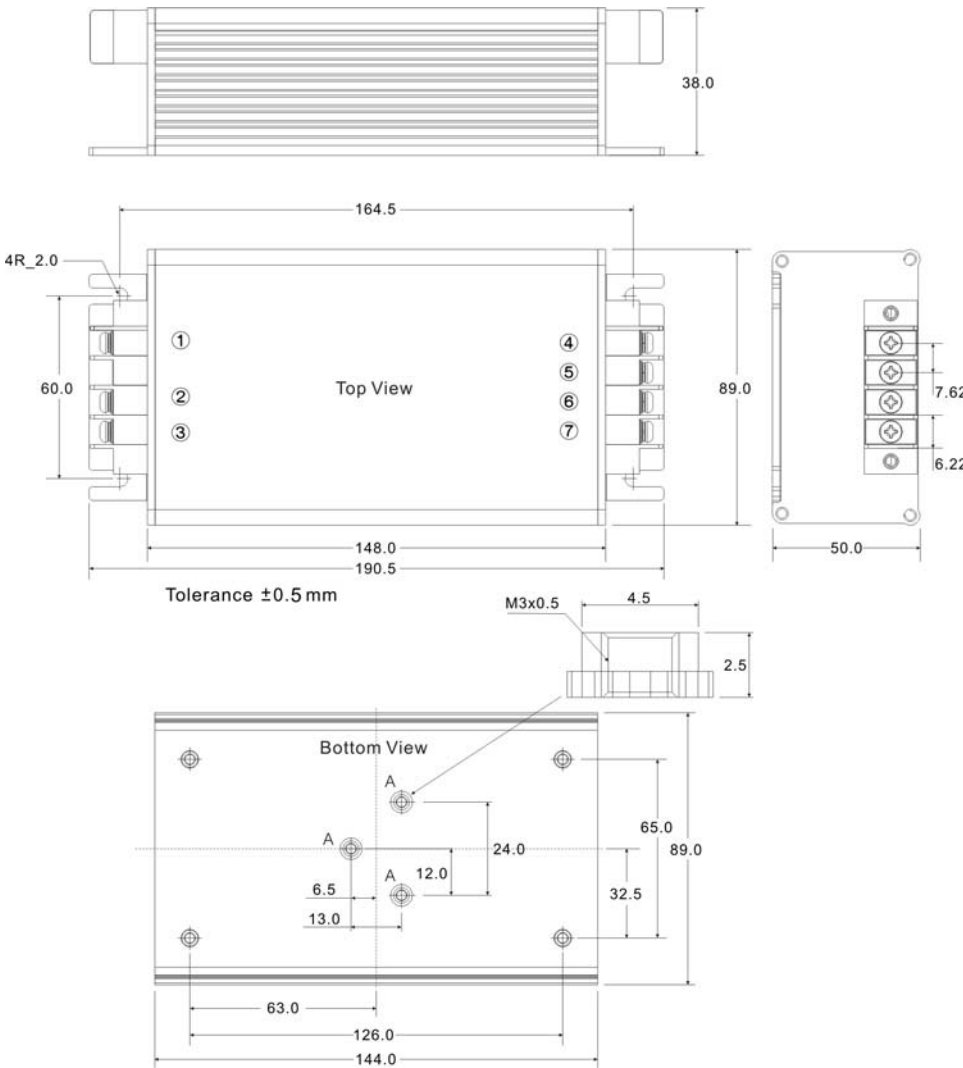
Model No.	AQC200-12S	AQC200-24S	AQC200-48S	
Max Output Wattage (W)	200 W			
Input	Voltage	90-264 VAC or 120-370 VDC		
	Frequency (Hz)	47-63 Hz		
	Current (Full load)	<2.0 A max. (115 VAC) / <1.0 A max. (230 VAC)		
	Inrush Current (<2ms)	< 35 A max. (115 VAC) / < 70 A max. (230 VAC)		
	Leakage Current	< 0.75 mA max.		
	Power Factor	PF>0.98 (115 VAC) / PF>0.95 (230 VAC) at Full Load		
Output	Voltage (V.DC.)	12V	24V	48V
	Voltage Accuracy	±2%		
	Current (A) max	16.66	8.33	4.17
	Line Regulation (LL-HL) (typ.)	±1%		
	Load Regulation (5-100%) (typ.)	±1%		
	Minimum Load	1%		
	Maximum Capacitive Load	5,000µF	2,000µF	1,000µF
	Ripple & Noise max.	240mV	240mV	480mV
	Efficiency (typ.)	88%	90%	92%
	Hold-up Time (at 115 VAC)	10 ms min.		
Protection	Over Power Protection	Auto recovery		
	Over Temperature Protection	Auto recovery		
	Over Voltage Protection	Zener diode clamp		
	Short Circuit Protection	Auto recovery, Hiccup mode		
Isolation	Input-Output (V.AC)	3000V		
	Input-FG (V.AC)	1500V		
	Output-FG (V.AC)	500V		
Environment	Operating Temperature	-25°C...+70°C (with derating)		
	Storage Temperature	-25°C...+85°C		
	Temperature Coefficient	±0.03%/°C (0~50°C)		
	Humidity	95% RH		
	MTBF	>250,000 h @ 25°C (MIL-HDBK-217F, Notice 1)		
	Vibration	10~500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes.		
Physical	Dimension (L x W x H)	7.5 x 3.5 x 1.97 Inches (190.5 x 89.0 x 50.0 mm) Tolerance ±0.5 mm		
	Weight	Pending		
	Cooling Method	Free convection		
Safety	Agency Approvals	CE, UL60950-1, CB (Pending)		
EMC	EMI (Conducted & Radiated Emission)	EN 55022 class B (Conductive plane to be connected to safety earth) (Pending)		
	EMS (Noise Immunity)	EN 55024 (Pending)		

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

2.Ripple & Noise are measured at 20MHz of bandwidth with 0.1UF & 47UF parallel capacitor.

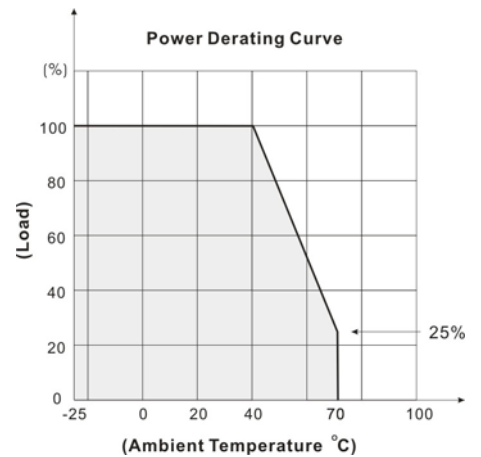
3.Hold-up Time measured at 90% Vout.

MECHANICAL DIMENSION (Top View)



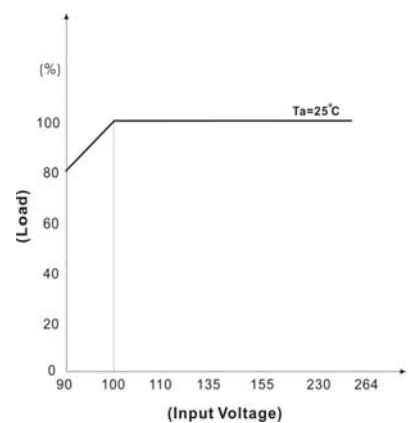
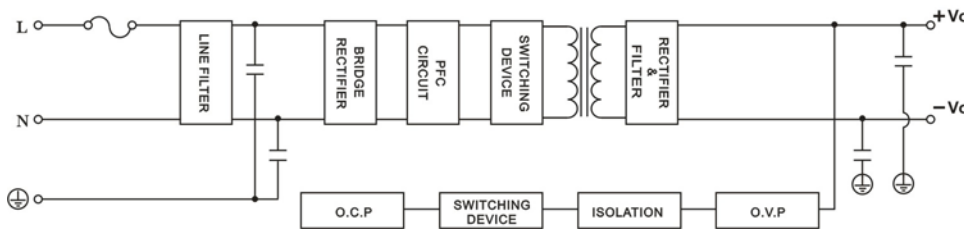
PIN#	Single
1	FG
2	AC IN (N)
3	AC IN (L)
4	+DC OUT
5	+DC OUT
6	-DC OUT
7	-DC OUT

DERATING



BLOCK DIAGRAM

Single Output



AQC200 SERIES**200 Watts**

EFFICIENCY VERSUS LOAD

AQC200-12S																																									
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