



Dimension: 199 × 110 × 50mm

Features:

- AC input voltage range selected by switch
- Small volume, low weight, high efficiency
- Protections : short circuit/over load/over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- 1 Year warranty

CE

SPECIFICATION

	Model	Q-120B				Q-120C			
Output	DC voltage	CH1:+5V	CH2:+12V	CH3:-5V	CH4:-12V	CH1:+5V	CH2:+15V	CH3:-5V	CH4:-15V
	Voltage tolerance	± 2%	± 6%	± 6%	± 6%	± 2%	± 6%	± 6%	± 6%
	Rated current	11A	4A	1A	1A	10A	3.5A	1A	1A
	Current range	2~11A	0.5~4A	0.2~1A	0.2~1A	2~10A	0.5~3.5A	0.2~1A	0.2~1A
	Rated power	120W				122.5W			
	Ripple&noise	80mVp-p	100mVp-p	80mVp-p	100mVp-p	80mVp-p	100mVp-p	80mVp-p	100mVp-p
	DC voltage ADJ. range	CH1: -9%~+10%							
Input	Setup, rise, hold up time	200ms,50ms,30ms/230VAC.							
	Voltage range	90 ~ 132VAC, 180 ~ 264VAC(Selected by switch) 47 ~ 63Hz, 255 ~ 373VDC							
	AC current	2.8A/115V 1.6A/230VAC							
	Efficiency	77%							
	Inrush current	Cold start 30A/115V 60A/230VAC							
Protection	leakage current	< 3.5mA/240VAC							
	Overload	Rated output power 110% ~ 150% Start overload protection protection type : cutoff output, restart power after fault condition is removed can recover normal output							
	Over voltage	CH1:CH2:115% ~ 135% protection type : cutoff output, restart power after fault condition is removed can recover normal output							
Environment	Working temp , humidity	-10°C ~ +60°C;20% ~ 90%RH(Please refer to "derating curve")							
	Storage temp , humidity	-20°C ~ +85°C;10% ~ 95%RH Non-condensing							
Safety	Withstand vibration	10 ~ 500Hz, 2G 10min./1Cycle, Period for 60min, Each axes							
	Withstand voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC							
Fit standard	Isolation resistance	I/P-O/P: I/P-FG,O/P-FG: 100M Ohms/500VDC							
	Safety standard	Fit UL1012							
Others	EMC Standard	Fit EN55022, CLASSA							
	Weight	0.88kg 199**110*50mm (L*W*H)							
	Packing	0.88kg/24pcs/22kg							

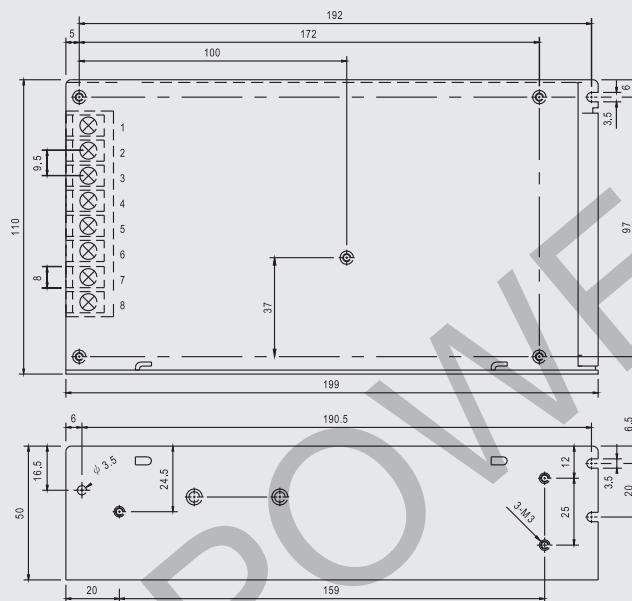
Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.

2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.

3. Tolerance : includes set up tolerance, line regulation and load regulation.

Mechanical specification

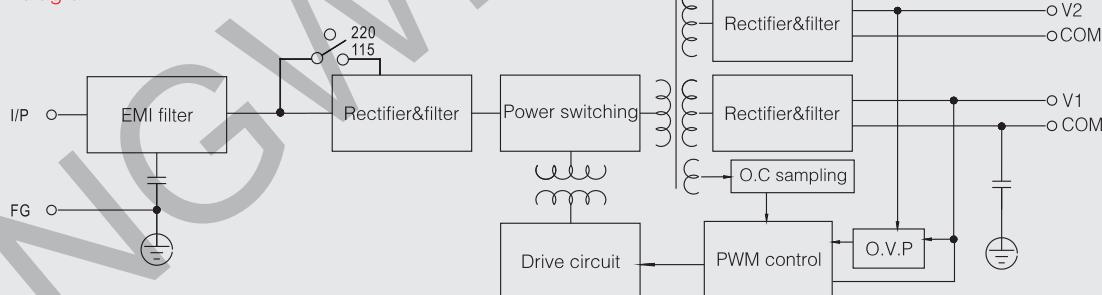
Unit:mm



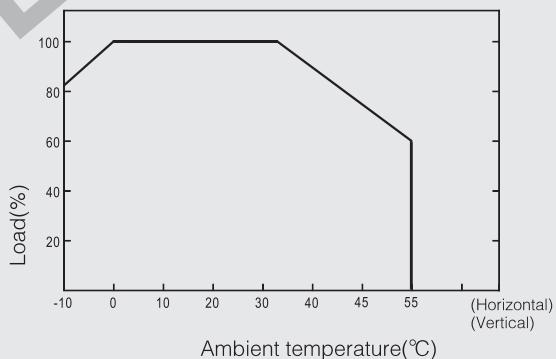
Terminal Pin No.Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT V2
2	AC/N	5	DC OUTPUT V4
3	FG ±	6	DC OUTPUT V3
		7	DC OUTPUT COM
		8	DC OUTPUT V1

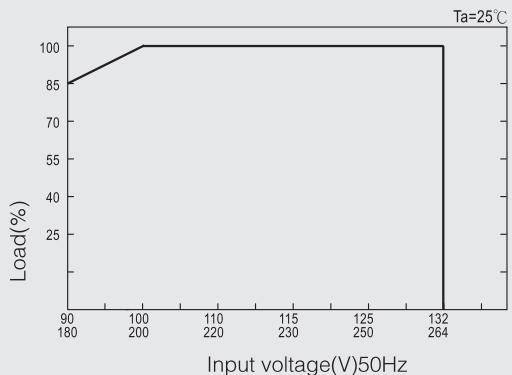
Block diagram



Derating curve



Static characteristic





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- 100% full load burn-in test
- 1 Year warranty

SPECIFICATION

	Model	Q-120D			
Output	DC voltage	CH1:+5V	CH2:+12V	CH3:+24V	CH4:-12V
	Voltage tolerance	± 2%	± 5%	± 5%	± 6%
	Rated current	8A	2A	2A	1A
	Current range	2 ~ 8A	0.5 ~ 2A	0.2 ~ 2A	0.2 ~ 1A
	Rated power	124W			
	Ripple&noise	80mVp-p	100mVp-p	150mVp-p	100mVp-p
	DC voltage ADJ. range	CH1: -9%~+10%			
Input	Setup, rise, hold up time	200ms,50ms,30ms/230VAC.			
	Voltage range	90 ~ 132VAC, 180 ~ 264VAC(Selected by switch)47 ~ 63Hz, 255 ~ 373VDC			
	AC current	2.8A/115V 1.6A/230VAC			
	Efficiency	79%			
	Inrush current	Cold start 30A/115V 60A/230VAC			
Protection	leakage current	< 3.5mA/240VAC			
	Overload	Rated output power 110% ~ 150% Start overload protection protection type : cutoff output, restart power after fault condition is removed can recover normal output			
	Over voltage	CH1:CH2:115% ~ 135% protection type : cutoff output, restart power after fault condition is removed can recover normal output			
Environment	Working temp, humidity	-10°C ~ +60°C; 20% ~ 90%RH (Please refer to "derating curve")			
	Storage temp, humidity	-20°C ~ +85°C; 10% ~ 95%RH Non-condensing			
Safety	Withstand vibration	10 ~ 500Hz, 2G 10min./1Cycle, Period for 60min, Each axes			
	Withstand voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC			
	Isolation resistance	I/P-O/P: I/P-FG,O/P-FG: 100M Ohms/500VDC			
Fit standard	Safety standard	Fit UL1012			
	EMC Standard	Fit EN55022, CLASS A			
Others	Weight	0.88kg 199*110*50mm (L*W*H)			
	Packing	0.88kg/24pcs/22kg			

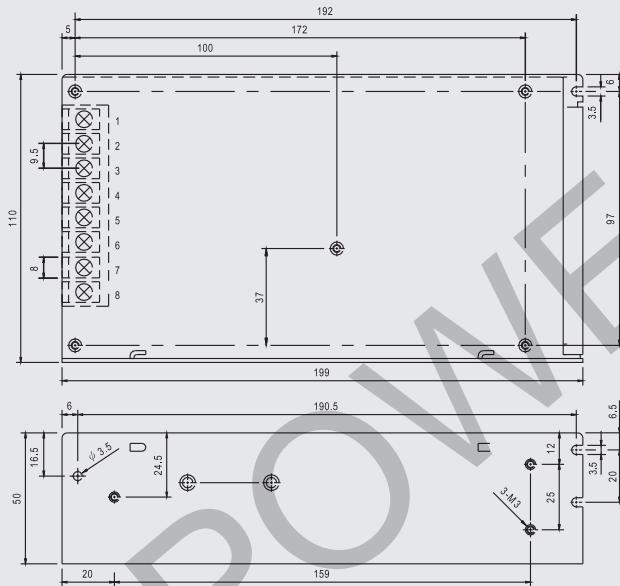
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Mechanical specification

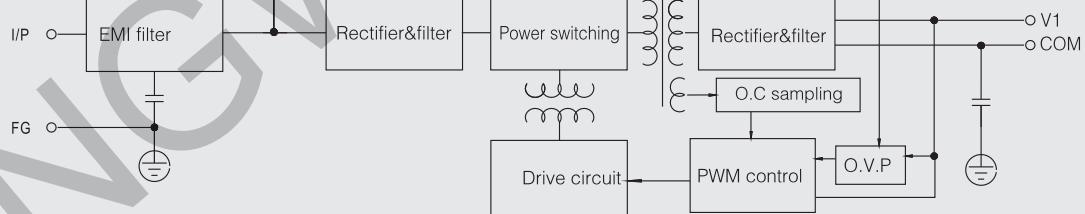
Unit:mm



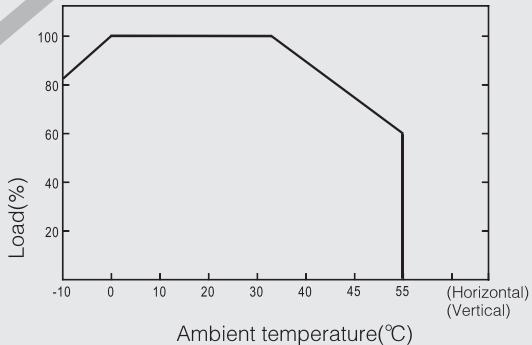
Terminal Pin No.Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT V3
2	AC/N	5	DC OUTPUT V2
3	FG \pm	6	DC OUTPUT V4
		7	DC OUTPUT COM
		8	DC OUTPUT V1

Block diagram



Derating curve



Static characteristic

