



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



SPECIFICATION

Model		T-120A			T-120B		
Output	DC voltage	CH1:+5V	CH2:+12V	CH3:-5V	CH1:+5V	CH2:+12V	CH3:-12V
	Voltage tolerance	± 2%	± 6%	± 6%	± 2%	± 6%	± 6%
	Rated current	11A	5A	1A	11A	4.5A	1A
	Current range	2 ~ 11A	0.5 ~ 5A	0.2 ~ 1A	2 ~ 11A	0.5 ~ 4.5A	0.2 ~ 1A
	Rated power	120W			121W		
	Ripple&noise	80mVp-p	120mVp-p	80mVp-p	80mVp-p	120mVp-p	120mVp-p
	DC voltage ADJ. range	CH1: -9%~+10%					
	Setup, rise, hold up time	200ms,50ms,30ms/230VAC.					
Input	Voltage range	90 ~ 132VAC, 180 ~ 264VAC(Selected by switch) 47 ~ 63Hz, 255 ~ 373VDC					
	AC current	2.8A/115V 1.6A/230VAC					
	Efficiency	77%			77%		
	Inrush current	Cold start 30A/115V 60A/230VAC					
	leakage current	< 3.5mA/240VAC					
Protection	Overload	Rated output power110% ~ 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℃ ~ +60℃;20% ~ 90%RH(Please refer to “derating curve”)					
	Storage temp, humidity	-20℃ ~ +85℃;10% ~ 95%RH Non-condensing					
	Withstand vibration	10 ~ 500Hz, 2G 10min./1Cycle, Period for 60min, Each axes					
Safety	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, CLASSA					
Others	Weight	0.85kg 199*110*50mm (L*W*H)					
	Packing	0.85kg/24pcs/21.5kg					

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

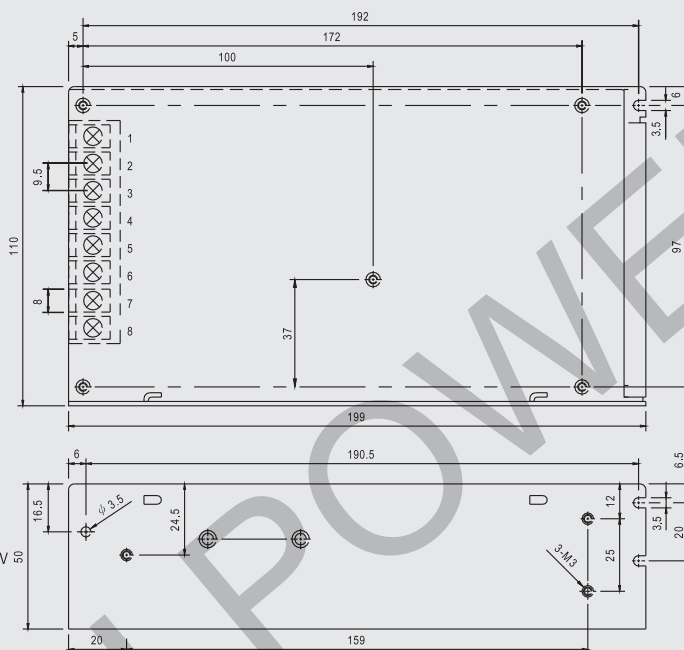
Unit:mm

T-120A Terminal Pin No.Assignment

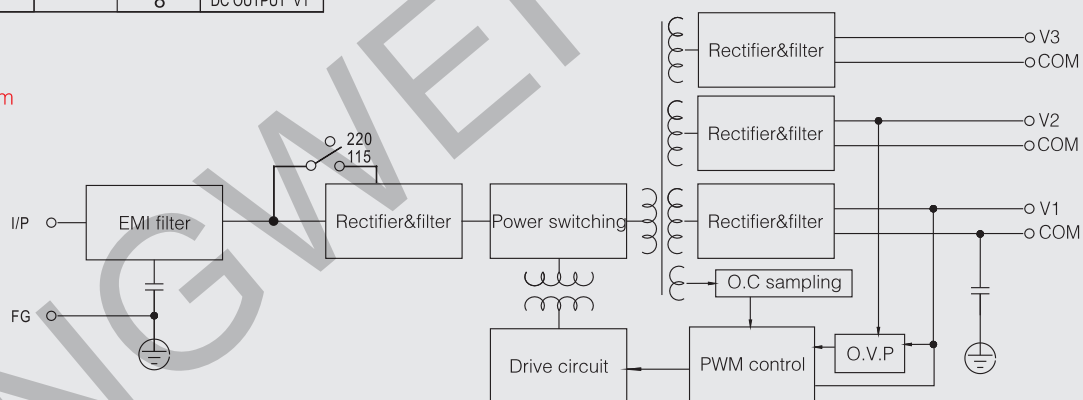
Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT V2
2	AC/N	5, 7	DC OUTPUT COM
3	FG $\perp$	6	DC OUTPUT V3
		8	DC OUTPUT V1

T-120B Terminal Pin No.Assignment DC OUTPUT V

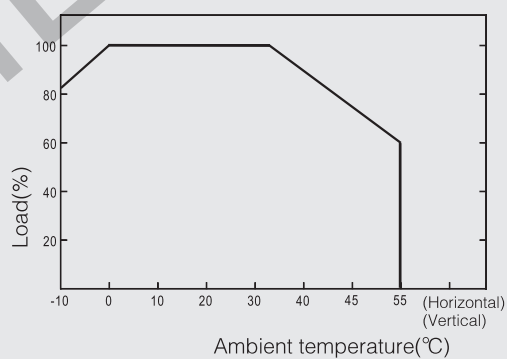
Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT V2
2	AC/N	5	DC OUTPUT V3
3	FG $\perp$	6,7	DC OUTPUT COM
		8	DC OUTPUT V1



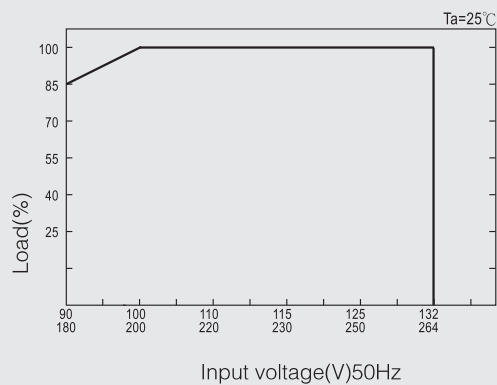
Block diagram



Derating curve



Static characteristic





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- 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		T-120C			T-120D		
Output	DC voltage	CH1:+5V	CH2:+15V	CH3:-15V	CH1:+5V	CH2:+12V	CH3:+24V
	Voltage tolerance	± 2%	± 6%	± 6%	± 2%	± 6%	± 6%
	Rated current	10A	3.5A	1A	8A	2.5A	2A
	Current range	2 ~ 10A	0.5 ~ 3.5A	0.2 ~ 1A	2 ~ 8A	0.5 ~ 2.5A	0.2 ~ 2A
	Rated power		117.5W			118W	
	Ripple&noise	80mVp-p	120mVp-p	100mVp-p	80mVp-p	120mVp-p	150mVp-p
	DC voltage ADJ. range	CH1: -9%~+10%					
	Setup, rise, hold up time	200ms,50ms,30ms/230VAC.					
Input	Voltage range	90 ~ 132VAC, 180 ~ 264VAC(Selected by switch)47 ~ 63Hz, 255 ~ 373VDC					
	AC current	2.8A/115V 1.6A/230VAC					
	Efficiency	78%			80%		
	Inrush current	Cold start 30A/115V 60A/230VAC					
	leakage current	< 3.5mA/240VAC					
Protection	Overload	Rated output power110% ~ 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℃ ~ +60℃;20% ~ 90%RH(Please refer to “derating curve”)					
	Storage temp, humidity	-20℃ ~ +85℃;10% ~ 95%RH Non-condensing					
	Withstand vibration	10 ~ 500Hz, 2G 10min./1Cycle, Period for 60min, Each axes					
Safety	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, CLASSA					
Others	Weight	0.85kg 199*110*50mm (L*W*H)					
	Packing	0.85kg/24pcs/21.5kg					

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

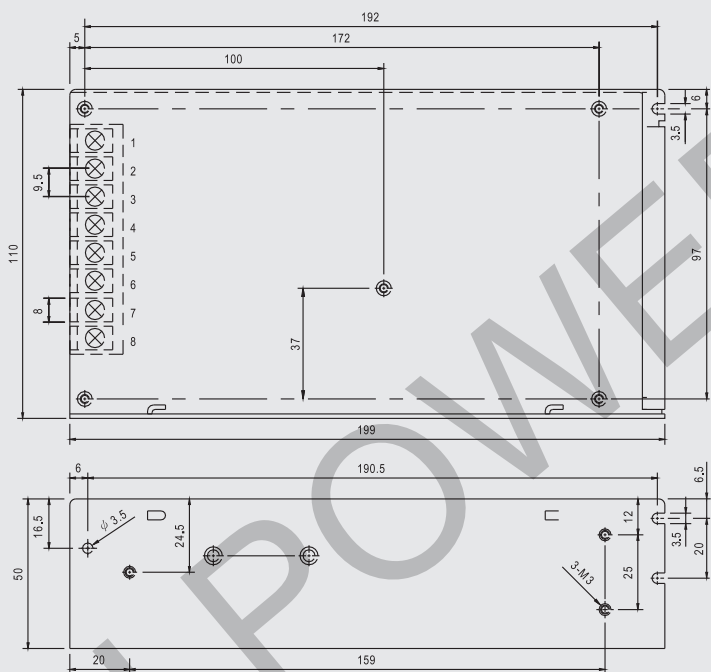
Unit:mm

T-120C Terminal Pin No.Assignment

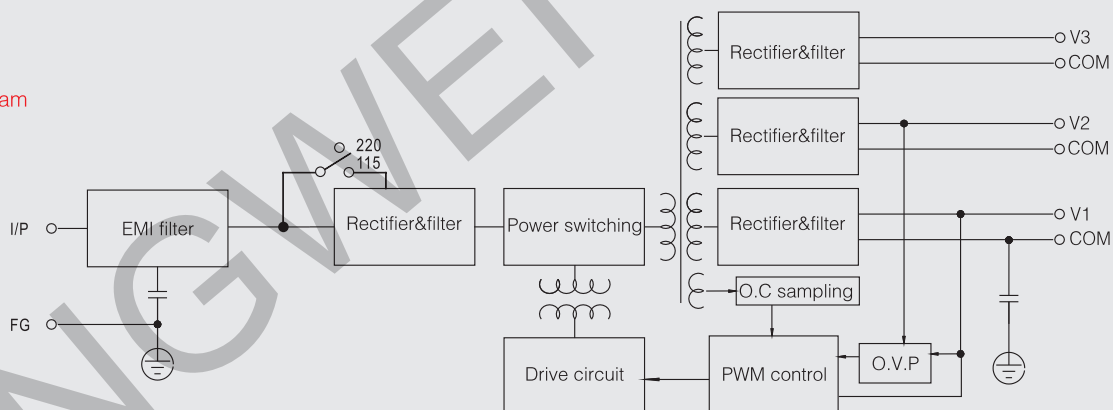
Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT V2
2	AC/N	5	DC OUTPUT V3
3	FG $\perp$	6,7	DC OUTPUT COM
		8	DC OUTPUT V1

T-120D Terminal Pin No.Assignment

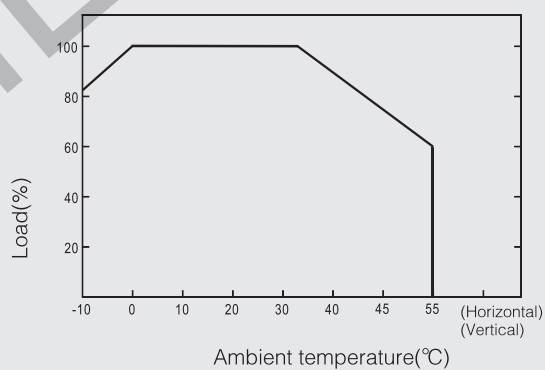
Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT V3
2	AC/N	5	DC OUTPUT V2
3	FG $\perp$	6,7	DC OUTPUT COM
		8	DC OUTPUT V1



Block diagram



Derating curve



Static characteristic

