



Dimension: 159 × 98 × 38mm

CE

## Features:

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

## SPECIFICATION

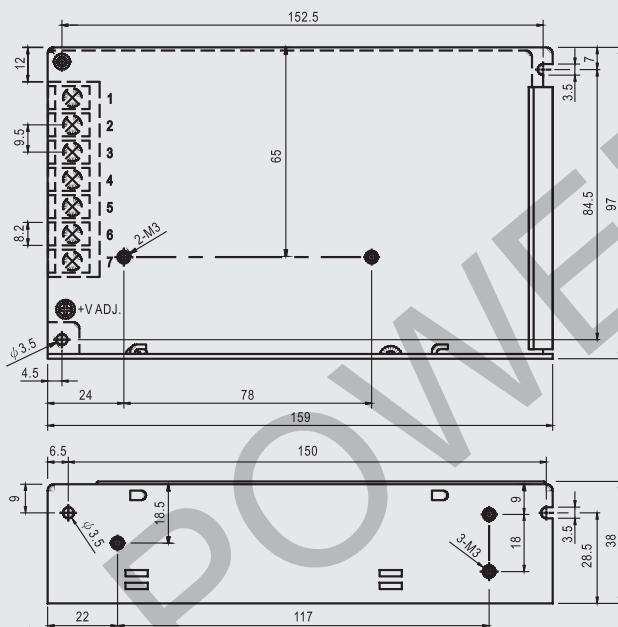
	Model	T-50A			T-50B					
Output	DC voltage	CH1:+5V	CH2:+12V	CH3:-5V	CH1:+5V	CH2:+12V	CH3:-12V			
	Voltage tolerance	± 2%	± 5%	± 5%	± 2%	± 5%	± 5%			
	Rated current	6A	1A	1A	5A	1A	1A			
	Current range	0.8 ~ 6A	0.2 ~ 1A	0.2 ~ 1A	0.8 ~ 5A	0.2 ~ 1A	0.2 ~ 1A			
	Rated power	47W			49W					
	Ripple&noise	80mVp-p	100mVp-p	80mVp-p	80mVp-p	100mVp-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	1.3A/115V 0.65A/230VAC								
	Efficiency	73%			74%					
	Inrush current	Cold start 20A/115V 40A/230VAC								
Protection	Overload	Rated output power 110% ~ 150% Start overload protection								
		Protection type : part layer type current limit , auto-recovery after fault condition is removed								
	Working temp, humidity	-10°C ~ +60°C;20% ~ 90%RH(Please refer to "derating curve" )								
Environment	Storage temp, humidity	-20°C ~ +85°C;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	0.54kg 159*98*38mm ( L*W*H )								
	Packing	0.54kg/45pcs/25kg								

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

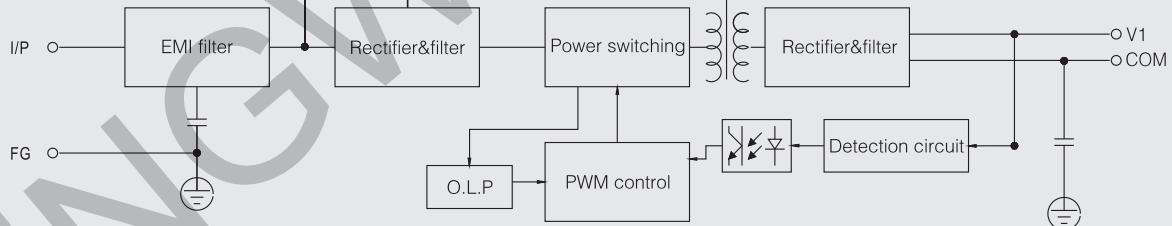
Unit:mm



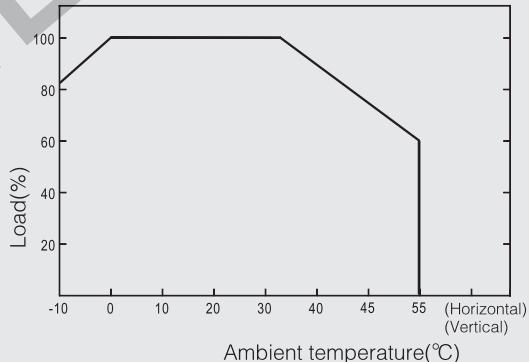
Terminal Pin No.Assignment

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

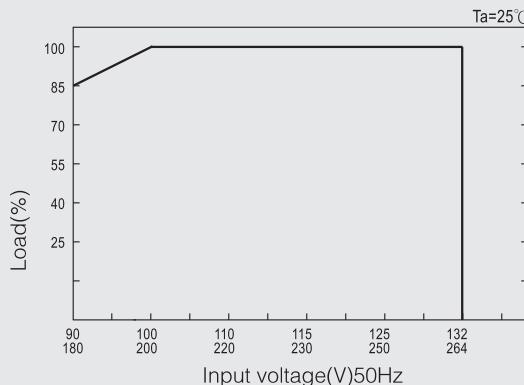
Block diagram



Derating curve



Static characteristic





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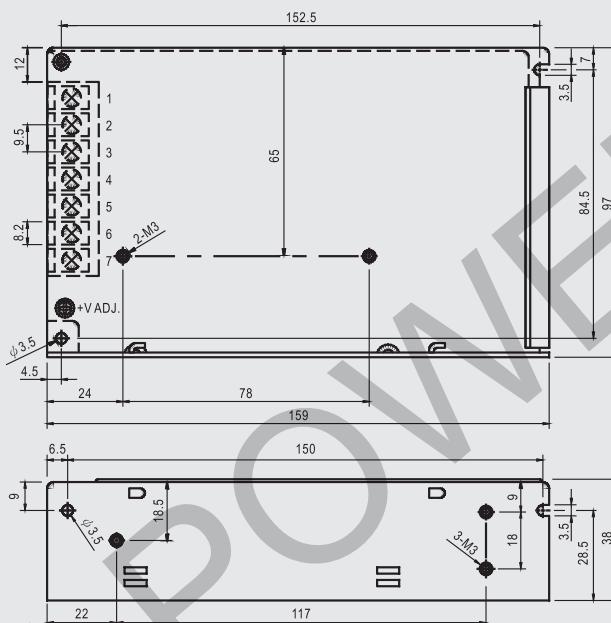
	Model	T-50C			T-50D					
Output	DC voltage	CH1:+5V	CH2:+15V	CH3:-15V	CH1:+5V	CH2:+12V	CH3:+24V			
	Voltage tolerance	± 2%	± 5%	± 5%	± 2%	± 5%	± 5%			
	Rated current	4A	1A	1A	3A	1A	1A			
	Current range	0.8 ~ 4A	0.2 ~ 1A	0.2 ~ 1A	0.8 ~ 3A	0.2 ~ 1A	0.2 ~ 1A			
	Rated power	50W			51W					
	Ripple&noise	80mVp-p	100mVp-p	100mVp-p	80mVp-p	100mVp-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	1.3A/115V 0.65A/230VAC								
	Efficiency	73%			74%					
	Inrush current	Cold start 20A/115V 40A/230VAC								
	leakage current	< 2mA/240VAC								
Protection	Overload	Rated output power 110% ~ 150% Start overload protection								
		Protection type : part layer type current limit , auto-recovery after fault condition is removed								
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, CLASS A								
	Weight	0.54kg 159*98*38mm ( L*W*H )								
	Packing	0.54kg/45pcs/25kg								

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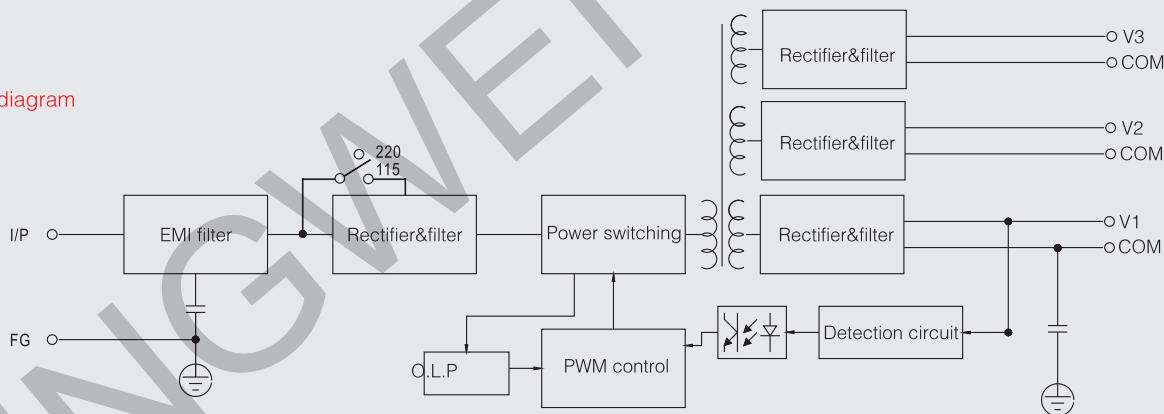
Unit:mm



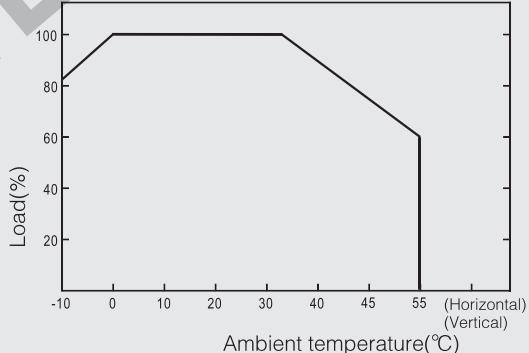
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