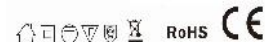
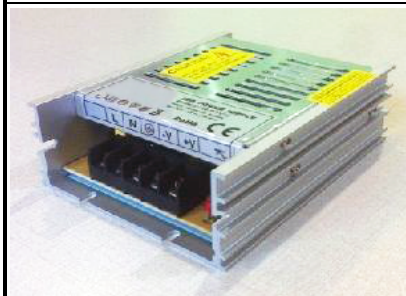


Thelemontree,S.L.
TECHNICAL DATA SHEET



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TLT-C100-W1V5/12/24

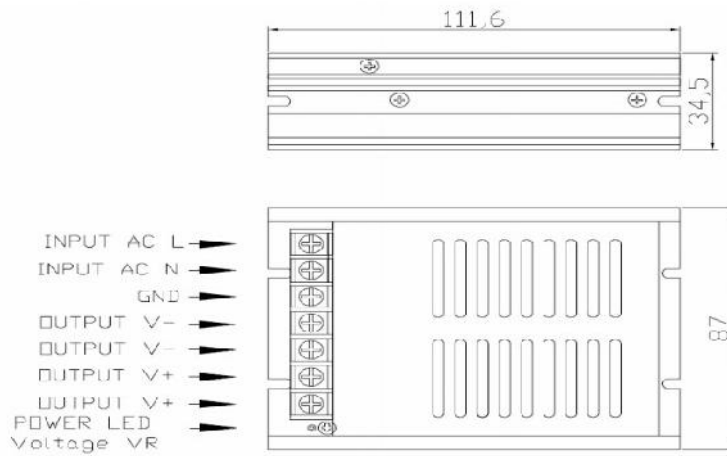
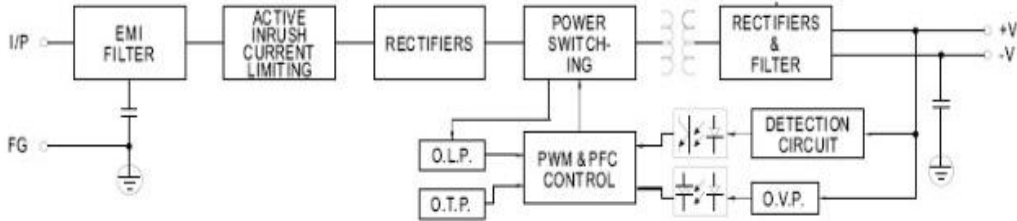


- 100% full load burn-in test
- Universal AC input
- Small size and high efficiency
- Built-in EMI filter with tiny ripple
- Protection: OTP, OLP,OVP,SCP
- 2 year warranty

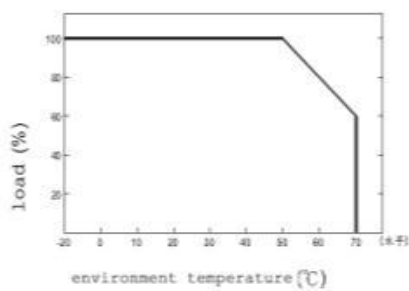
	Product	TLT-C100-W1V5	TLT-C100-W1V12	TLT-C100-W1V24
Output	Rated Voltage (V)	5	12	24
	Floating Voltage (V)	5,25	12,6	25,2
	Output Voltage Tolerance	5V±2%	12V±2%	24V±2%
	Rate Current (A)	20A	8.2A	4.2A
	Rate Power(W)	100W	100W	100W
	Max. output power (W)	105W	110W	115W
	Current ripple	≤120mVp-p	≤120mVp-p	≤150mVp-p
Input	Input voltage range (V)	AC 110~240V; 47Hz~63Hz; Cold start current 60A/25AC/220V		
	Input AC (A)	1.3A/115V~0.7A/230V		
	Efficiency	85%		
	Impact current (A)	50A		
	Start, Rise, Hold-up time	100ms,50ms,20ms		
	Quiescent current	<10mA/240VAC		
Protection	OLP	105%~150% of rated power, hiccup model, auto-recovery		
	OVP	over Max. Voltage, hiccup, auto recovery		
	OTP	Rectifier ≥85°C, auto recovery		
	SCP	>3 times short circuit, auto recovery		
Ambiant	Working Temp. & humidity	"-20°C~60°C, 20%~90%RH		
	Storage temp. & humidity	"-40°C~85°C, 10%~95%RH		
	Withstand voltage	I/P-O/P: 1.5KVAC/1min, I/P-F/G: 1.5KVAC/1min, O/P-F/G: 0.5KVAC/1min,		
Safety	Safety standard	GB4943 ;IEC60950-1; EN60950-1		
	EMC standard	EN55022 CLASS A; GB9254		

Mechanical Specification

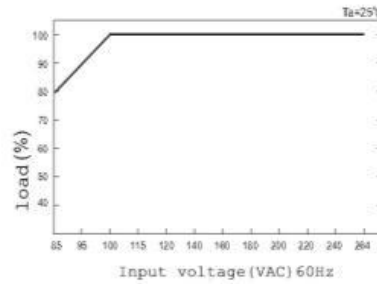
Pin No.	Assignment	Pin No.	Assignment		
1	AC/L	4	DC OUTPUT-V	Demension(L*W*H)	118*95*40mm
2	AC/N	5	DC OUTPUT+V	Net Weight	0.3kg/pcs
3	FG				



Derating Curve



Static Characteristics(12V)



REMARKS:

1, The above mentioned data were measured at 230VAC input and 25°C.

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, Cut the AC input before checking any mal-phenomenons.

4, Make sure the INPUT&OUPUT were in right situation before connected to power supply.

5, Be ware of high power pressure may caused by short circuit when installing metal casing products.

6, Please contact us at comercial@thelemontree.es for further solution if any unforeseeable problem happens.