



FEATURES

- 100% full load burn-in test
- Universal AC input
- Small size and high efficiency
- Conform to EMC EN5502 GB9254
- Built-in EMI filter with tiny ripple
- Comply with the safety standards UL60950 GB4943 EN60850
- Protection: short circuit/over Voltage/over/load temperature

MODEL		5V 100W	12V 100W	15V 100W	24V 100W
OUTPUT	DC VOLTAGE	5V	12V	15V	24V
	RATED CURRENT	20A	8.5A	6.7A	4.5A
	CURRENT RANGE	0~20A	0~8.5A	0~6.7A	0~4.5A
	RATED POWER	100W	100W	100W	100W
	RIPPLE& NOISE (MAX.)	80mVp-p	120mVp-p	120mVp-p	120mVp-p
	VOLTAGE TOLERANCE	±2%	±1%	±1%	±1%
	SETUP , RISE TIME	1000ms, 20ms/230VAC 1000ms, 20ms/115VAC at full load			
	HOLD UP TIME(Typ.)	30ms/230VAC 25ms/115VAC at full load			
INPUT	VOLTAGE RANGE	85 ~ 264VAC			
	FREQUENCY RANGE	47~63Hz			
	POWER FACTOR(Typ.)	PF>0.6/220VAC			
	EFFICIENCY(Typ.)	81%	84%	85%	85%
	AC CURRENT(Typ.)	2A/115VAC 1.2A/230VAC			
	INRUSH CURRENT(Typ.)	COLD START 45A			
	SHORT CIRCUIT	protection type: recovers automatically after fault condition is removed			
PROTECTION	OVER LOAD	105~135% hiccup mode, auto-recovery			
	OVER CURRENT	Greater than the maximum voltage, circuit protection, when the error is removed, the circuit returns to normal			
	OVER TEMP	protection type: recovers automatically after down temp below 85°C			
	DC ADJ. RANGE	115~135%hiccup mode, auto-recovery			
ENVIRONMENT	WORKING TEMP	"-20°C+60°C(no frost)			
	WORKING HUMIDITY	20%~90%RH			
	STORAGE TEMP , HUMIDITY	-40°C~85°C/10%~95%RH			
Tesings	Withstand voltage	I/P-O/P: 1.5KVAC/1min; I/P-F/G: 1.5KVAC/1min;O/P-F/G: 0.5KVAC/1min;			
	Safety	GB4943 ;IEC60950-1; EN60950-1			
	EMC	EN 55032:2015+A11:2020 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A2:2021 EN55035:2017+A11:2020			
	LVD	EN60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013			

Mechanical Specification

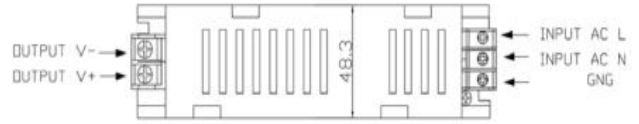
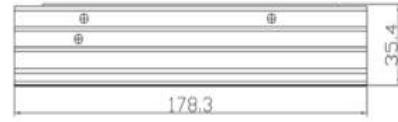
Terminal Assignment			
Pin No.	Assignment	Pin No.	Assignment
1	AC/L	2	DC OUTPUT-V
2	AC/N	2	DC OUTPUT+V
3	FG		

Dimension: 178*48*34.5mm

Carton size: 430*278*227 mm

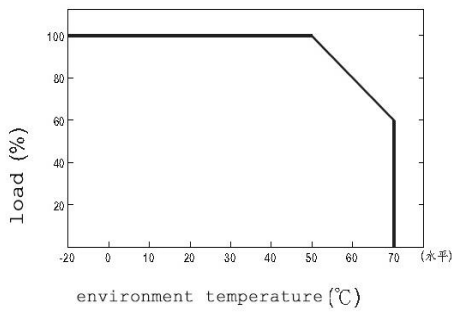
Carton Quantity: 56PCS/Carton

Weight: 0.35kg/PCS

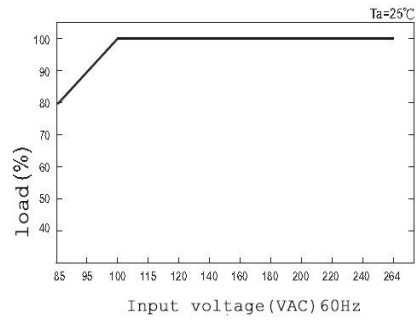


Product model: LTT100W

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 info@smpspower.com for further solution if any unforeable problem happens.