



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		12V 300W	15V 300W	24V 300W	27V 300W	48V 300W
OUTPUT	DC VOLTAGE	12V	15V	24V	27V	48V
	RATED CURRENT	25A	20A	12.5A	11.1A	6.25A
	CURRENT RANGE	0~25A	0~20A	0~12.5A	0~11.1A	0~6.25A
	RATED POWER	300W	300W	300W	300W	300W
	RIPPLE& NOISE (MAX.)	120mVp-p	150mVp-p	150mVp-p	150mVp-p	200mV
	VOLTAGE TOLERANCE	±1%	±1%	±1%	±1%	±1%
	SETUP , RISE TIME	1000ms, 50ms/230VAC 1000ms,50ms/115VAC at full load				
	HOLD UP TIME(Typ.)	20ms/230VAC 16ms/115VAC at full load				
INPUT	VOLTAGE RANGE	85~132VAC/170~264VAC				
	FREQUENCY RANGE	47~63Hz				
	POWER FACTOR(Typ.)	PF>0.6/220VAC				
	EFFICIENCY(Typ.)	80%	83%	84%	85%	86%
	AC CURRENT(Typ.)	4.5A/115VAC 2.5A/230VAC				
	INRUSH CURRENT(Typ.)	40A/115VAC 55A/230VAC				
	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% Cut off the output , auto-recovery				
ENVIRONMENT	WORKING TEMP	-20°C~ +60°C				
	WORKING HUMIDITY	20%~90%RH				
	STORAGE TEMP , HUMIDITY	-40°C~+85°C,10%~90%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

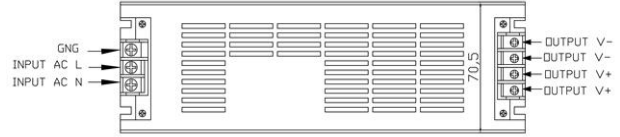
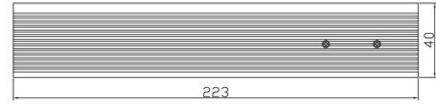
Terminal Assignment			
Pin No.	Assignment	Pin No.	Assignment
1	AC/L	3	DC OUTPUT-V
2	AC/N	4	DC OUTPUT+V
3	FG		

Dimension: 223*70*39 mm

Carton size: 430*278*227 mm

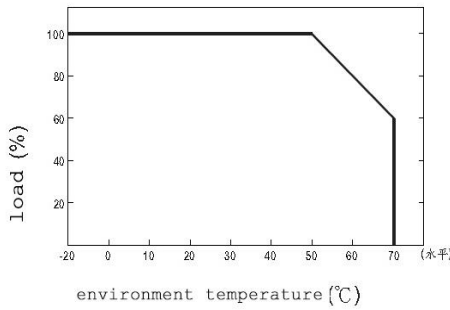
Carton Quantity: 30PCS/Carton

Weight: 0.7Kg/PCS

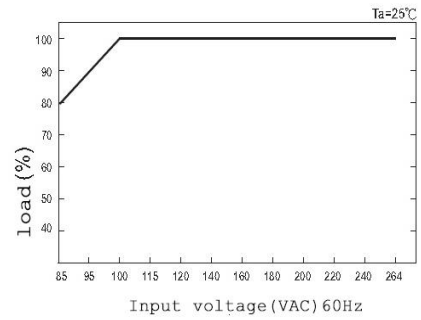


Product model: L250W

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.