



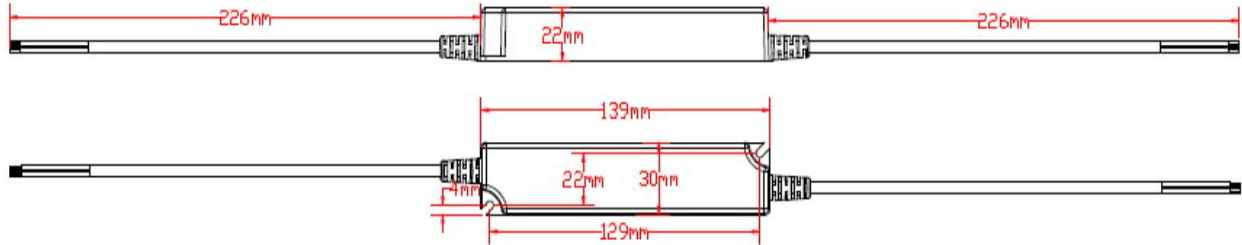
FEATURES

- 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		12V12W	24V12W
OUTPUT	DC VOLTAGE	12V	24V
	RATED CURRENT	1A	0.5A
	CURRENT RANGE	0~1A	0~0.5A
	RATED POWER	12W	12W
	RIPPLE& NOISE (MAX.)	≤120mVp-p	≤120mVp-p
	VOLTAGE TOLERANCE	±1%	±1%
	SETUP , RISE TIME	2000ms,100ms,30ms	
INPUT	VOLTAGE RANGE	100~240VAC	
	FREQUENCY RANGE	47~63Hz	
	POWER FACTOR(Typ.)	PF>0.6/220VAC	
	EFFICIENCY(Typ.)	85%	88%
	AC CURRENT(Typ.)	0.55A/115VAC 0.35A/230VAC	
	INRUSH CURRENT(Typ.)	COLD START 60A(twidth=215µs measured at 50% Ipeak) at 230VAC	
	SHORT CIRCUIT	protection type: recovers automatically after fault condition is removed	
PROTECTION	OVER LOAD	105~135% hiccup mode, auto-recovery	
	DC ADJ. RANGE	±10% rated output voltage	
ENVIRONMENT	WORKING TEMP	-40°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	

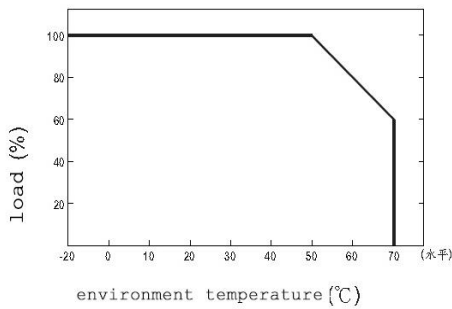
Mechanical Specification

Terminal Assignment				Packing List	
Pin No.	Assignment	Pin No.	Assignment	Dimension	139*30*22mm
1	AC/L		DC OUTPUT-V	Carton Quantity	90PCS/Carton
2	AC/N		DC OUTPUT+V	Carton size	315*248*240 mm
3	⏏ FG			Weight	0.17Kg/PCS

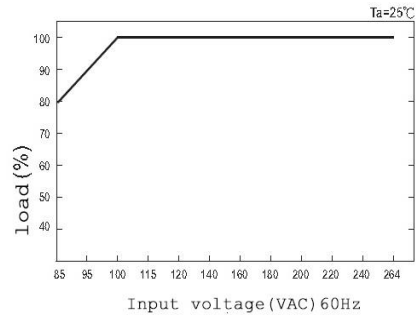


LP20W

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.

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