


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

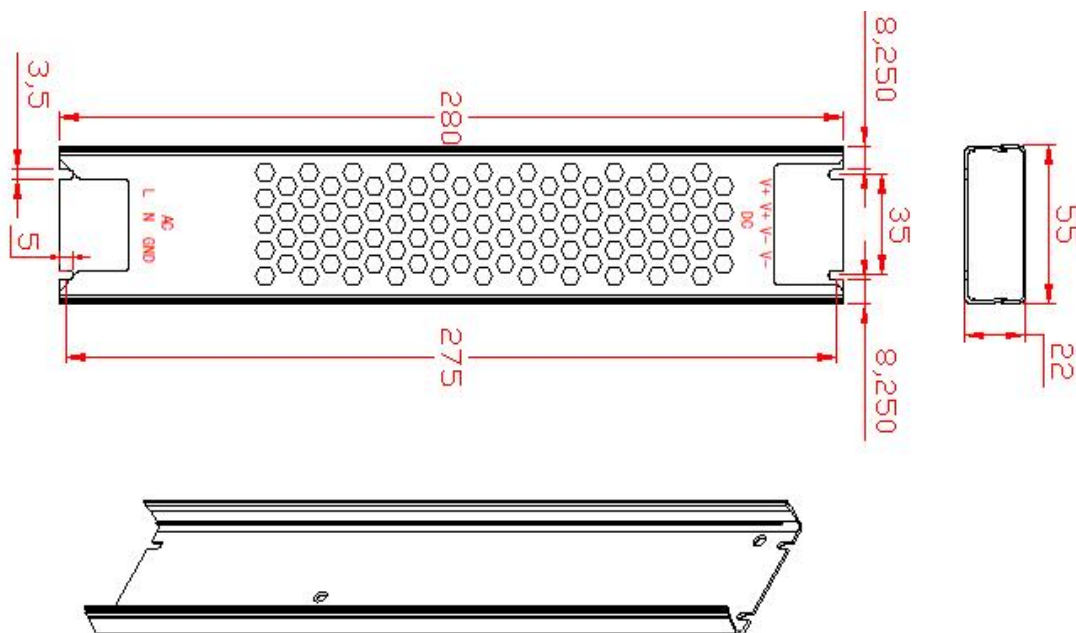
MODEL		12V 250W	24V 250W
OUTPUT	DC VOLTAGE	12V	24V
	RATED CURRENT	20A	10A
	CURRENT RANGE	0~16.5A	0~8.3A
	RATED POWER	250W	250W
	RIPPLE& NOISE (MAX.)	120mVp-p	150mVp-p
	VOLTAGE TOLERANCE	±1%	±1%
	SETUP , RISE TIME	1000ms, 50ms/230VAC 1000ms,50ms/115VAC at full load	
	HOLD UP TIME(Typ.)	20ms/230VAC 16ms/115VAC at full load	
INPUT	VOLTAGE RANGE	85~132VAC/170~264VAC	
	FREQUENCY RANGE	47~63Hz	
	POWER FACTOR(Typ.)	PF>0.6/220VAC	
	EFFICIENCY(Typ.)	83%	84%
	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 TEMP	≥85℃ start protection, recovers automatically	
	DC ADJ. RANGE	115%~135% Cut off the output , auto-recovery	
ENVIRONMENT	WORKING TEMP	-20℃~ +60℃	
	WORKING HUMIDITY	20%~90%RH	
	STORAGE TEMP , HUMIDITY	-40℃~+85℃,10%~90%RH	
SAFETY&EMC	SAFETY STANDARDS	CE,ROHS	
	WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC	
	EMC TESTING STANDARD	EN 55032:2015+A11:2020 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A2:2021 EN55035:2017+A11:2020	
Dimension: 215*62*31mm		Carton size: 430*278*227 mm	
Carton Quantity: 44PCS/Carton		Weight: 0.5kg/PCS	

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Mechanical Specification



Derating Curve	Static Characteristics(12V)
<p>The Derating Curve graph shows the load percentage (Y-axis, 0 to 100%) versus environment temperature in degrees Celsius (X-axis, -20 to 70). The load is constant at 100% from -20°C to 50°C and then derates linearly to 60% at 70°C. The X-axis is labeled '(水平)' at the end.</p>	<p>The Static Characteristics graph shows the load percentage (Y-axis, 40 to 100%) versus input voltage in VAC at 60Hz (X-axis, 85 to 264). The load is constant at 100% from 100VAC to 264VAC and then derates linearly to 80% at 85VAC. The graph is labeled 'Ta=25°C'.</p>

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.