

SMPS SE Series

SE120

Nuteck Power Solutions P Ltd.
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120 W Single Output Switching Power Supply

- **Features:**
- Wide Input Supply Range
- Low leakage current <1mA.
- Protections: Short Circuit / Over load / Over voltage / Over Temperature
- 100% Full Load Burn in test.
- High efficiency, long life and high reliability
- Miniature size, high power density



SPECIFICATION

MODEL		SE120-12	SE120-24	SE120-48
Output	DC Volta e	12V	24V	48V
	Rated Current	10A	5A	2.5A
	Current Ran e	0 ~ 10A	0 ~ 5A	0 ~ 2.5A
	Rated Power	120W		
	Ripple and Noise Max.	< 1% Of Rate Voltage.		
	Volta e Adj. Ran e	10.8 ~ 13.2V	21.6 ~ 26.4V	43.2 ~ 52.8V
	Volta e Tolerance	< 1% Of Rate Voltage.		
	Line Re ulation	< +/- 0.5 %		
	Load Re ulation	< +/- 1 %		
	Hold up Time	> 20mSec		
Input	Volta e Ran e	170 VAC ~ 300 VAC		
	Frequency	45Hz - 65Hz		
	Efficiency	>80%		
	Inrush Current	<30A At 230VAC		
	Leaka e Current	<1mA At 230VAC		
Protections	Output Over Load	105% ~ 150% of rate power Protection Type: Hiccup Mo e, Recovers automatically after fault con ition is remove .		
	Output Over Volta e	15.0 ~ 17.0V	27.0 ~ 29.0V	54.0 ~ 56.0V Protection Type: Hiccup Mo e, Recovers automatically after fault con ition is remove .
	Over Temperature	>140 DegC Case Temp typically etect on main control IC (U1). Protection Type : Shut own, recovers automatically after fault con ition is remove .		
Environment	Workin Temp.	-5DegC to 55DegC.		
	Workin Humidity	20 to 90%RH Non Con ensing.		
	Stora e Temp Humidity	-10 to 85DegC 10 to 95% RH.		
	Vibration	10 to 500Hz,2G,20min/sweep,peroi -1Hr,Each along X,Y,Z axes.		
Safety & EMC	Safety Standard	Designe to meet UL60950-1		
	Withstand Volta e	I/P-O/P : 2KVAC , I/P-Earth : 1.5KVAC , O/P-Earth: 500VAC.		
	Isolation Resistance	I/P-O/P , I/P-Earth , O/P-Earth : 100M Ohms / 500VDC.		
	EMI & EMC	Designe to meet EN55011 / EN55022		
Other	Enclosure Protection	IP-20		
	Coolin	Natural Cooling.		
	Dimension	121*84*61.5 (L*W*H) with DIN - RAIL Clamp		
	Wei ht	0.60kg. approx.		
Note	1. All parameters NOT specially mentione are measure at Typical input, rate loa an 25Deg.C. ambient temperature. 2. Ripple & noise are measure at 20MHz of ban wi th by using a 12" twiste pair-wire terminate with a 0.1uF & 47uF parallel capacitor. 3. Tolerance : inclu es set up tolerance , line regulation an loa regulation. 4. The power supply is consi ere a component which will be installe into a final equipment. The final equipment must be re-conforme that it still meets EMC irectives. 5. Specifications are subject to change without prior notice ue to constant improvement in esian & technology.			

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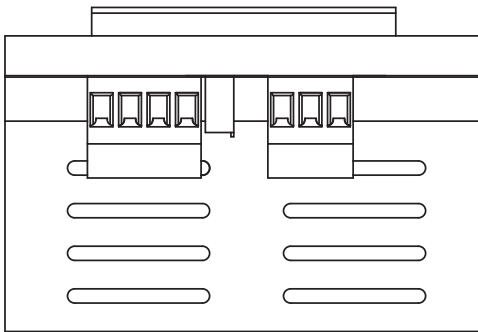
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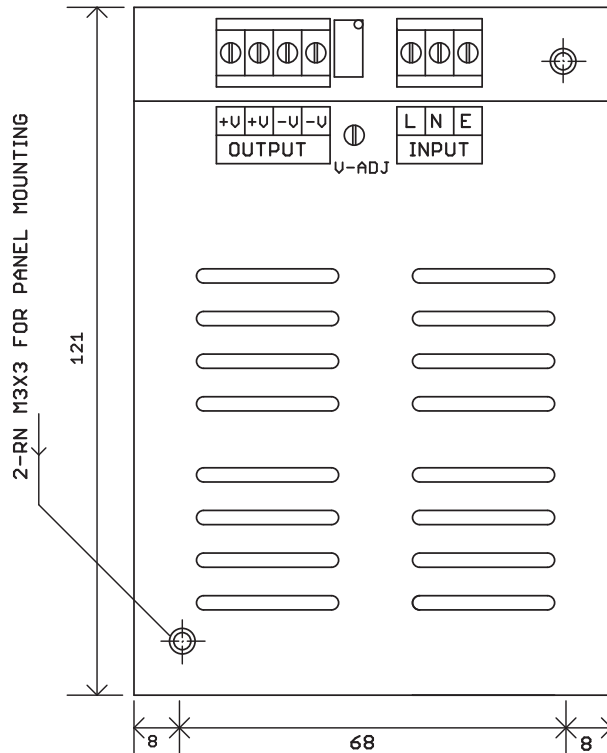
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DIMENSIONAL DETAILS :

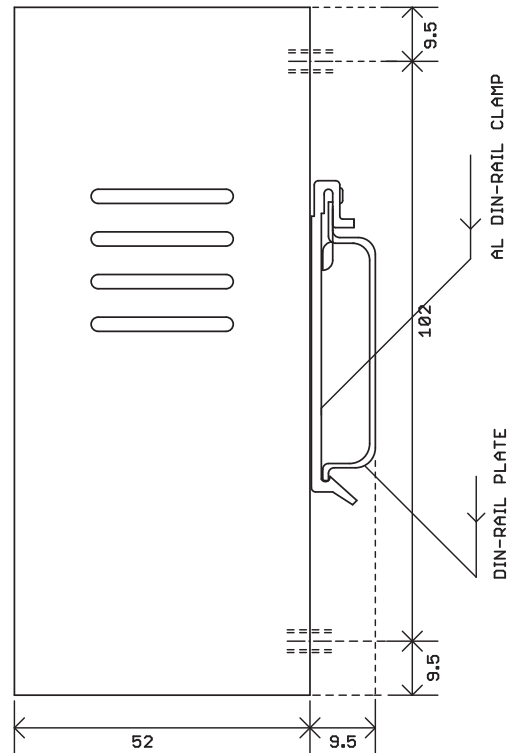
TOP VIEW



FRONT VIEW



SIDE VIEW



Note : Remove DIN-RAIL Clamp for Panel Mounting
All Dimensions are in MM