

SMPS SE Series

SE18

Nuteck Power Solutions P Ltd.
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18W SingleOutput Switching Power Supply

• Features:

- Universal AC Input Supply Range
- Low leakage current <1mA.
- Protections: Short Circuit / Over loa / Over voltage / Over Temperature
- 100% Full Loa Burn in test.
- High efficiency, long life an high reliability
- Miniature size, High power ensity



SPECIFICATION

MODEL		SE18-05	SE18-12	SE18-24	SE18-48
Output	DC Volta e	5V	12V	24V	48V
	Rated Current	3.5A	1.5A	0.75A	0.375A
	Current Ran e	0 ~ 3.5A	0 ~ 1.5A	0 ~ 0.75A	0 ~ 0.375A
	Rated Power	17.5W	18W		
	Ripple and Noise Max.	< 100mV Pk-Pk	< 1% Of Rate Voltage.		
	Volta e Adj. Ran e	4.5 ~ 5.5V	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	90 VAC ~ 300 VAC			
	Frequency	45Hz - 65Hz			
	Efficiency	>80%			
	Inrush Current	<30A At 230VAC			
	Leaka e Current	<1mA At 230VAC			
Protection	Over Load	105% ~ 200% of rate power Protection Type: Hiccup Mo e, Recovers automatically after fault con ition is remove .			
	Over Volta e	120% ~ 150% rate output voltage at Full loa Protection Type: Shut own output voltage, AC recycle to re-start.			
	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	88 X 68.5 X 47.5 (L*W*H) with DIN - RAIL Clamp			
	Wei ht	0.25kg. 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 esign & technology.				

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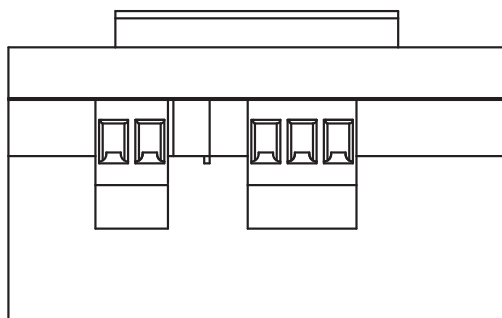
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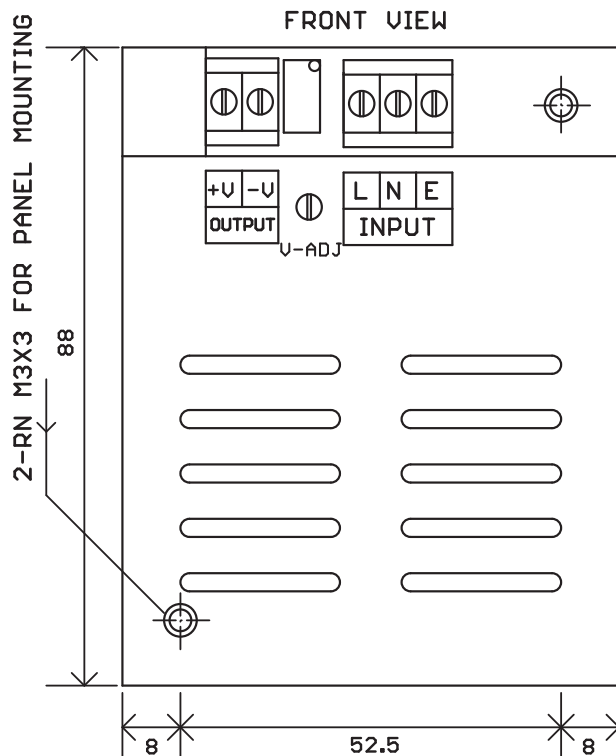
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DIMENSIONAL DETAILS

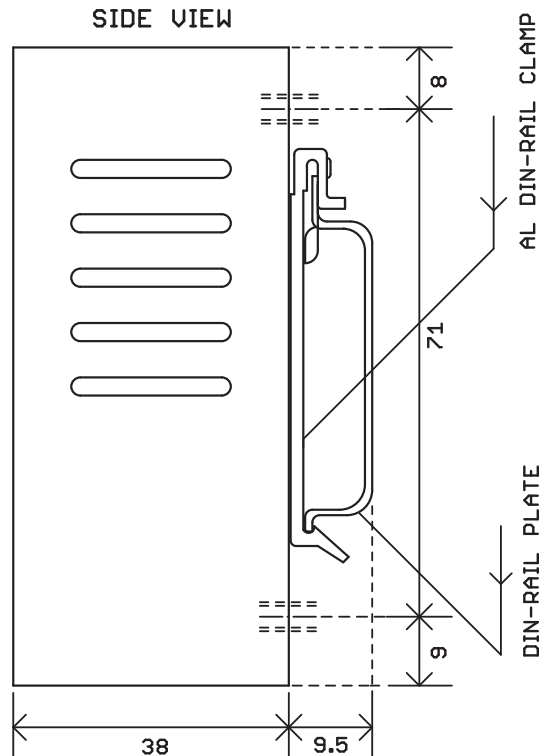
TOP VIEW



FRONT VIEW



SIDE VIEW



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