

SMPS SE Series

SE72

NuteckgPowergSolutions P Ltd.
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72W Sin le Output Switchin Power Supply

- **Features:**
- Wide AC 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		SE72-05	SE72-12	SE72-24	SE72-48
Output	DCgVoltage	5V	12V	24V	48V
	Rated Current	10A	6A	3A	1.5A
	Current Range	0 ~ 10A	0 ~ 6A	0 ~ 3A	0 ~ 1.5A
	Rated Power	50W	72W		
	Ripplegand NoisegMax.	< 100mV Pk-Pk	< 1% Of Rate Voltage.		
	Voltage Adj. Range	4.5 ~ 5.5V	10.8 ~ 13.2V	21.6 ~ 26.4V	43.2 ~ 52.8V
	VoltagegTolerance	< 1% Of Rate Voltage.			
	LinegRegulation	< +/- 0.5 %			
	Load Regulation	< +/- 1 %			
	Hold up Time	> 20mSec			
Input	VoltagegRange	100 VAC ~ 300 VAC			
	Frequency	45Hz - 65Hz			
	Efficiency	>80%			
	InrushgCurrent	<30A At 230VAC			
	LeakagegCurrent	<1mA At 230VAC			
Protection	OutputgOver Load	105% ~ 150% of rate power Protection Type: Hiccup Mo e, Recovers automatically after fault con ition is remove .			
	OutputgOver Voltage	5.75 ~ 7.75V	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 elect on main control IC (U1).			
		Protection Type : Shut own , recovers automatically after fault con ition is remove .			
Environment	Working Temp.	-5DegC to 55DegC.			
	Working Humidity	20 to 90%RH Non Con ensing.			
	StorageTempgHumidity	-10 to 85DegC 10 to 95% RH.			
	Vibration	10 to 500Hz,2G,20min/sweep,perio -1Hr,Each along X,Y,Z axes.			
Safety &gEMC	Safety Standard	Designe to meet UL60950-1			
	Withstand Voltage	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 &gEMC	Designe to meet EN55011 / EN55022			
Other	EnclosuregProtection	IP-20			
	Cooling	Natural Cooling.			
	Dimension	121*84*61.5 (L*W*H) with DIN - RAIL Clamp			
	Weight	0.55kg. 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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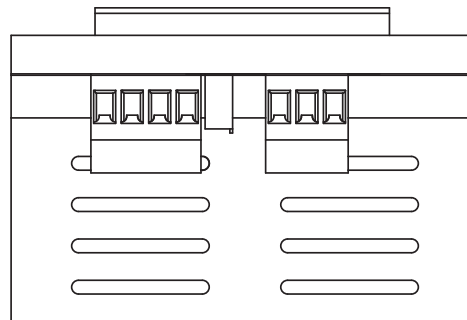
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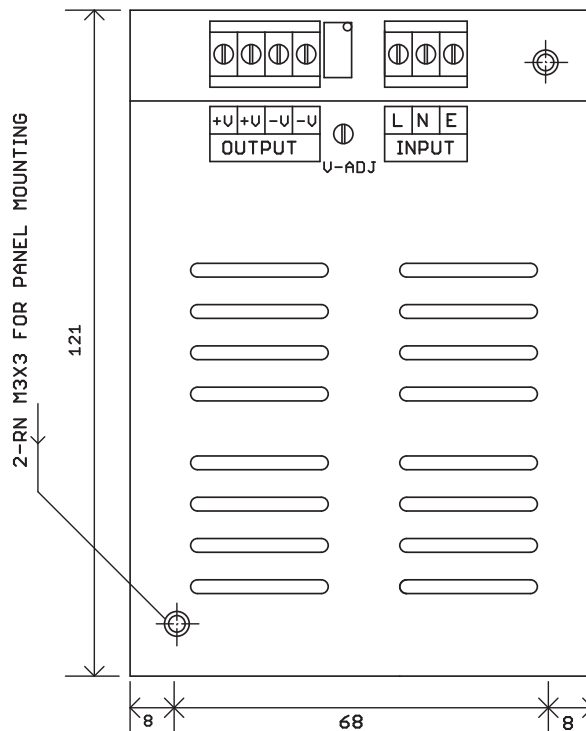
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DIMENSIONAL DETAILS

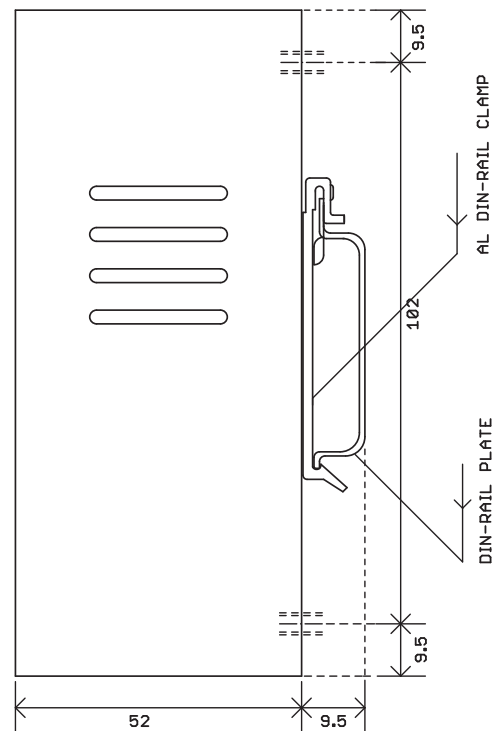
TOP VIEW



FRONT VIEW



SIDE VIEW



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