



Enermax Systems

The Energy People

ISO 9001:2015 Certified



M-76, MIDC, Ambad, Nashik 422010, Maharashtra, India Tel: 91-253-2381244

E-mail uday@enermax.co.in, rajiv@enermax.co.in, Website : www.enermax.co.in

SMPS E - Series

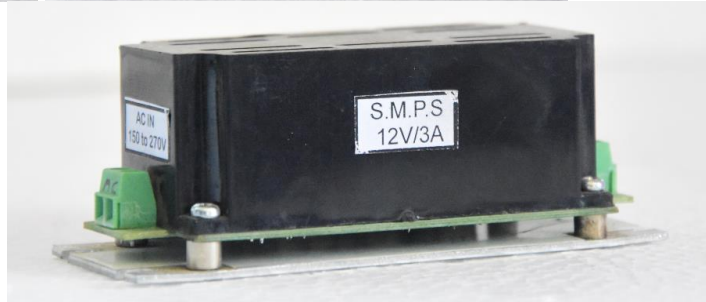
Enermax Systems

Mob.: 9225126972, 7447780122,
9607911281

Email: sales@enermax.co.in

Web : www.enermax.co.in

120W Single Output Switching Power Supply



Features :

Wide Input Supply Range

- Low leakage current <1mA
- Protections - Short circuit / Over load / Over voltage
- 100% Full load Burn in test
- High efficiency, long life and high reliability
- Miniature size, high power density

SPECIFICATION

MODEL		E120-12	E120-24	E120-48
Input	Voltage Range	170 VAC ~ 300VAC		
	Frequency	45Hz - 65Hz		
	Efficiency	>83%		
	Inrush Current	<30A At 230VAC		
	Leakage Current	<1mA At 230VAC		
Output	DC Voltage	12V	24V	48V
	Rated Current	10A	5A	2.5A
	Rated Power	120W		
	Ripple & Noise Max.	< 1% of Rated Voltage		
	Voltage Adj. Range	10.8 ~13.2V	21.6 ~ 26.4V	43.2 ~ 52.8V
	Voltage Tolerance	< 1% of Rated Voltage		
	Line Regulation	< +/- 0.5%		
	Load Regulation	< +/- 1%		
Hold up Time	> 20mSec			

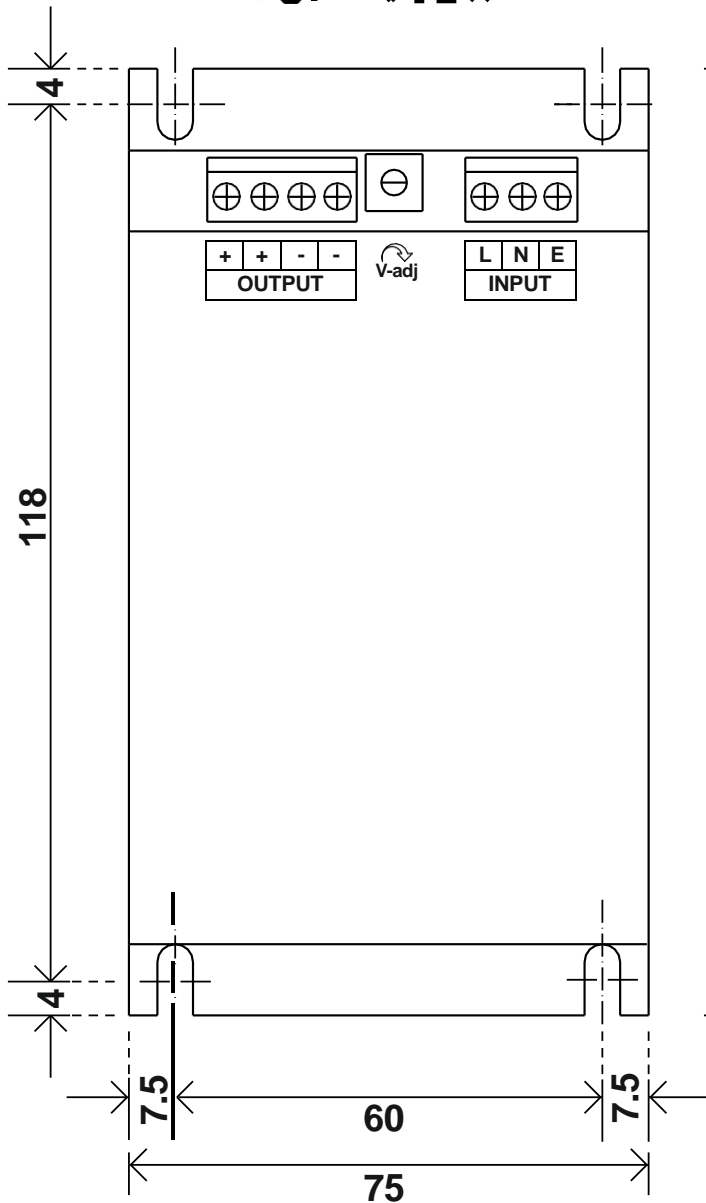
Protection	Output Over Load	Above 105% Rated output Power, Auto Recover
	Output Over Voltage	115-135% Rated Output Voltage, Auto Recover
Environment	Working Temp.	-10DegC to 60DegC
	Working Humidity	20 to 90% RH Non-Condensing
	Storage Temp Humidity	-10 to 85DegC 10 to 95% RH
	Vibration	10 to 500Hz, 2G, 20min/sweep, Period-1Hr, Each along X, Y, Z axes
Safety & EMC	Safety Standard	Designed to meet UL60950-1
	Withstand Voltage	I/P-O/P : 2KVAC, I/P-Earth : 1.5VAC, O/P-Earth : 500VAC
	Isolation Resistance	I/P-O/P, I/P-Earth, O/P-Earth: 100ΩM / 500VAC
	EMI & EMC	Designed to meet EN55011
Other	Enclosure protection	IP-20
	Cooling	Natural Cooling
	Mounting	Panel Mounting / DIN RAIL EN.50022
	Dimension	126*75*60 (L*W*H)
Note	<p>1. All parameters NOT specially mentioned are measured at typical input, rated load and 25Deg.C ambient temp.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.</p> <p>3. Tolerance: includes set up tolerance, line regulation & load regulation.</p> <p>4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be reconfirmed that it still meets EMC directives.</p> <p>5. Specifications are subject to change without prior notice due to continuous improvement in design & technology.</p>	

SMPS E - Series

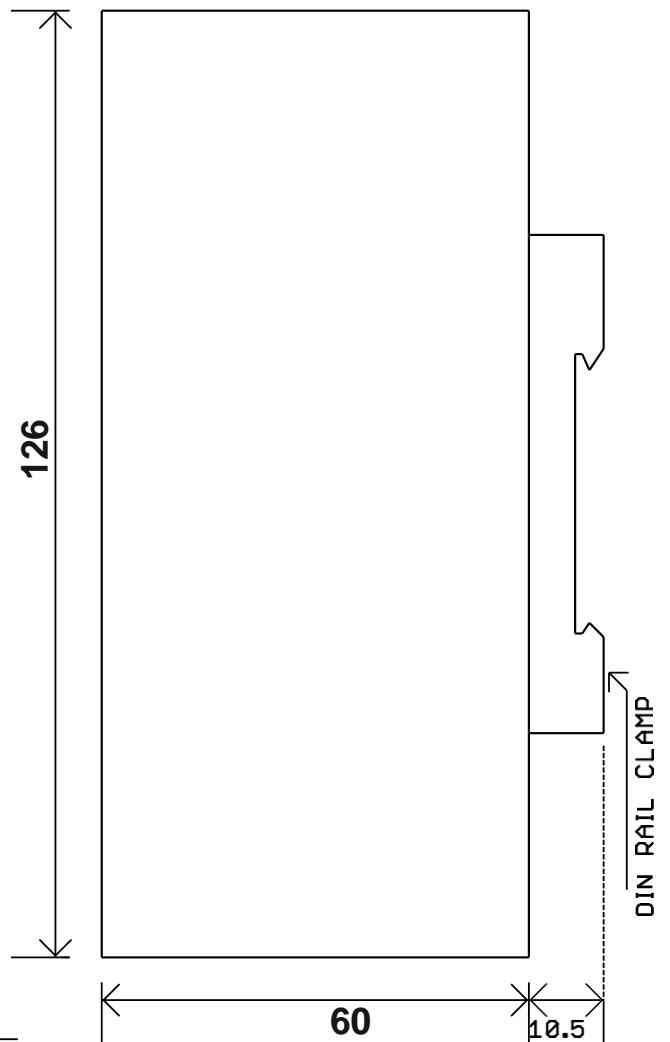
120W Single Output Switching Power Supply

DIMENSIONAL DETAILS :

TOP VIEW



SIDE VIEW



NOTE : ALL DIMENSIONS ARE IN MM