

SMPSPSHPSeries

SH120

Nuteck Power Solutions Ltd.
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120W 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		SH120-12	SH120-24	SH120-48
Output	DCPVoltage	12V	24V	48V
	Rated Current	10A	5A	2.5A
	Current Range	0 ~ 10A	0 ~ 5A	0 ~ 2.5A
	Rated Power	120W		
	RippleP and NoisePMax.	< 1% Of Rate Voltage.		
	Voltage Adj. Range	10.8 ~ 13.2V	21.6 ~ 26.4V	43.2 ~ 52.8V
	VoltagePTolerance	< 1% Of Rate Voltage.		
	LinePREgulation	< +/- 0.5 %		
	Load Regulation	< +/- 1 %		
	Hold up Time	> 20mSec		
Input	VoltagePRange	170 VAC ~ 300 VAC		
	Frequency	45Hz - 65Hz		
	Efficiency	>80%		
	InrushPCurrent	<30A At 230VAC		
	LeakagePCurrent	<1mA At 230VAC		
Protection	OutputPOver Load	Above 105% Rate output Power Protection Type: Hiccup Mo e, Recovers automatically after fault con ition is remove .		
	OutputPOver Voltage	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	Working Temp.	-5DegC to 55DegC.		
	Working Humidity	20 to 90%RH Non Con ensing.		
	StoragePTempPHumidity	-10 to 85DegC 10 to 95% RH.		
	Vibration	10 to 500Hz,2G,20min/sweep,peroi -1Hr,Each along X,Y,Z axes.		
Safety &PEMC	Safety Standard	Designe to meet UL60950-1		
	Withstand Voltage	I/P-O/P : 2KVAC , I/P-Earth : 1.5KVAC , O/P-Earth: 500VDC.		
	Isolation Resistance	I/P-O/P , I/P-Earth , O/P-Earth : 100M Ohms / 500VDC.		
	EMI &PEMC	Designe to meet EN55011		
Other	EnclosurePProtection	IP-20		
	Cooling	Natural Cooling.		
	Mounting	DIN RAIL EN.50022		
	Dimension	126.5*62*113 (L*W*H)		
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.			

SMPSPDCDC Converters PPA Adapters PIPPE Injectors P&P Splitters PIP Battery Chargers P Backup Systems
LED Drivers | OV | AVR | Relay I/O Modules | Protection Relays | Surge Protectors | Inverters | Fan Controllers

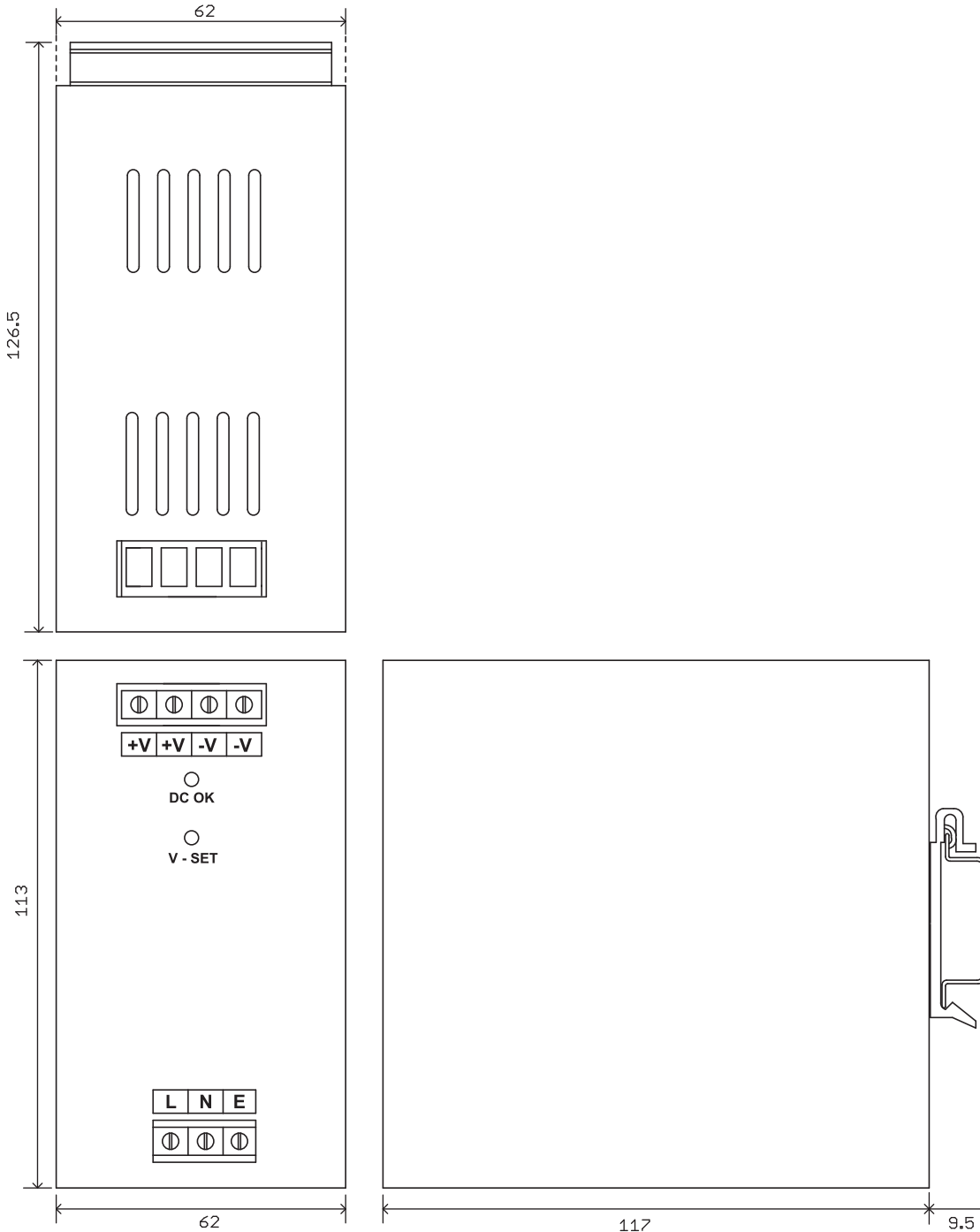
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DIMENSIONAL DETAILS :



NOTE : ALL DIMENSIONS ARE IN MM

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