

DC DC Converter

150W 2:1 Input Series

NuteckhPowerhSolutions P Ltd.
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150W DC DC Converter

- **Features:**
- 2:1 Wide Input Supply Range
- Built in EMI filter, low ripple noise
- Protections: Short Circuit / Over load / Over voltage
- 100% Full Load Burn in test.
- High efficiency, long life and high reliability
- Miniature size



SPECIFICATION

MODEL		DC150-12	DC150-24	DC150-48	DD150-12	DD150-24	DD150-48	
Output	DChVoltage	12V	24V	48V	12V	24V	48V	
	Rated Current	12.5A	6.25A	3.12A	12.5A	6.25A	3.12A	
	Current Range	0 ~ 12.5A	0 ~ 6.25A	0 ~3.12A	0 ~ 12.5A	0 ~6.25A	0 ~3.12A	
	Rated Power	150W						
	Ripple and Noise Max.	< 1% Of Rate Voltage.						
	Voltage Adj. Range	+/- 10% Of Rate Voltage.						
	Voltage Tolerance	+/- 1% Of Rate Voltage.						
	Line Regulation	< +/- 0.5 %						
Input	Load Regulation	< +/- 1 %						
	Voltage Range	36~72VDC			72~144VDC			
Protection	Efficiency	>75%			>80%			
	Over Load	Above 105% Rate output Power						
		Protection Type: Constant Current, Recovers automatically after fault condition is removed.						
	Over Voltage	125% ~ 150% rate output voltage						
Protection Type: Hiccup Mode, Recovers automatically after fault condition is removed.								
I/P reverse polarity		Provided by internal Fuse.						
Environment	Working Temp.	-5DegC to 55DegC.						
	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 & hEMC	Safety Standard	Designed to meet UL60950-1						
	Withstand Voltage	I/P-O/P : 1.5KVAC, 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 & hEMC	Designed to meet EN55011 / EN55022, EN61000-4-2						
Others	Enclosure Protection	IP-20						
	Cooling	Natural Cooling.						
	Dimension (L*W*H)	168*117*67						
	Weight	1.1 kg. Approx.						
Note	1. All parameters NOT specially mentioned are measured at Typical input, rated load and 25Deg.C. ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-conformed that it still meets EMC directives. 5. Specifications are subject to change without prior notice due to constant improvement in design & technology.							

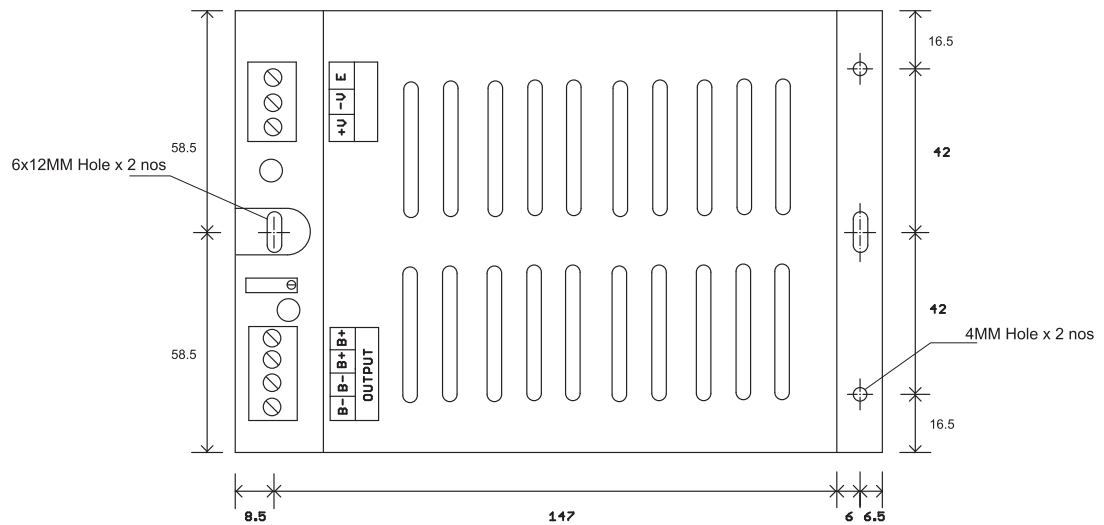
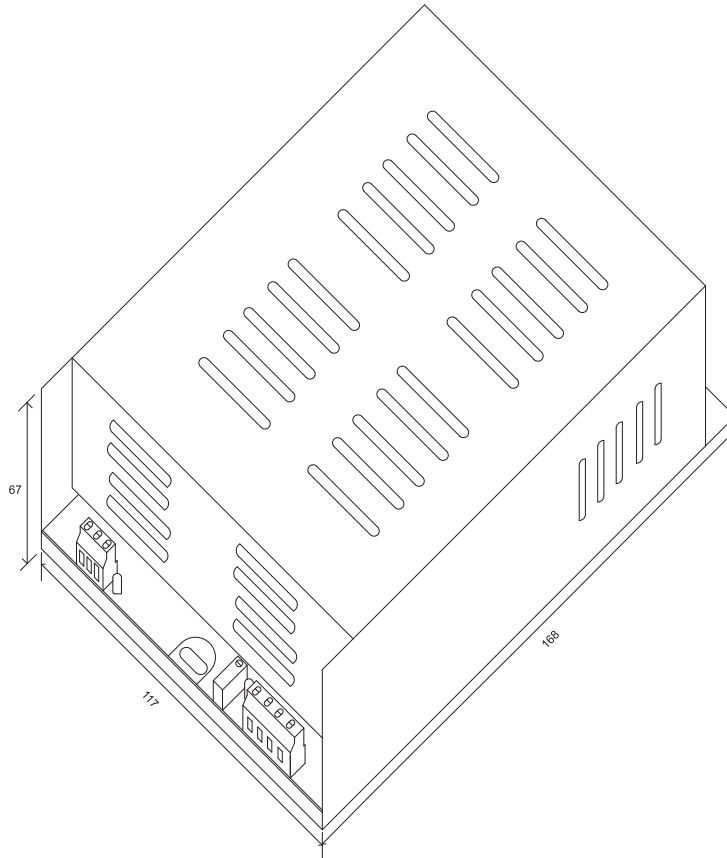
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DIMENSIONAL DETAILS



NOTE : ALL DIMENSIONS ARE IN MM

SMPS | DC DC Converters | Adapters | PoE Injectors & Splitters | Battery chargers | Battery Backup Systems
LED Drivers | OVP | AVR | Relay I/O Modules | Protection Relays | Surge Protectors | Inverters | Fan Controllers