

DATASHEET

DC DC CONVERTER

180W 2:1 Input Series

Nuteck Power Solutions P Ltd.
 1st Floor, 115/5, Ramtekdi Industrial Area,
 Hadapsar, Pune-411013.
 Tel : +91 26811162, Mob : +91 9552545012
 Email : info@nuteck.in
 Web : www.nuteck.in

180W 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		DB180-12	DB180-24	DB180-48	DC180-12	DC180-24	DC180-48	DD180-12	DD180-24	DD180-48
Output	DChVoltage	12V	24V	48V	12V	24V	48V	12V	24V	48V
	RatedhCurrent	15A	7.5A	3.75A	15A	7.5A	3.75A	15A	7.5A	3.75A
	Current Range	0 ~ 15A	0 ~ 7.5A	0 ~3.75A	0 ~ 15A	0 ~ 7.5A	0 ~3.75A	0 ~ 15A	0 ~ 7.5A	0 ~3.75A
	RatedhPower	180W								
	Rippleand NoisehMax.	< 1% Of Rate Voltage.								
	Voltage Adj.hRange	+/- 10% Of Rate Voltage.								
	VoltagehTolerance	+/- 1% Of Rate Voltage.								
	LinehRegulation	< +/- 0.5 %								
Input	LoadhRegulation	< +/- 1 %								
	VoltagehRange	18~36VDC			36~72VDC			72~144VDC		
	Efficiency	>75%								
Protection	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 reversehpolarity	Provide by internal Fuse.								
Environment	WorkinghTemp.	-5DegC to 55DegC.								
	WorkinghHumidity	20 to 90%RH Non Condensing.								
	StorageTemp 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.								
	EMIh&hEMC	Designed to meet EN55011 / EN55022, EN61000-4-2								
Others	EnclosurehProtection	IP-20								
	Cooling	Force Cooling								
	Dimension (L*W*H)	189*117*67								
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 reformed that it still meets EMC directives. 5. Specifications are subject to change without prior notice due to constant improvement in design & technology									

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

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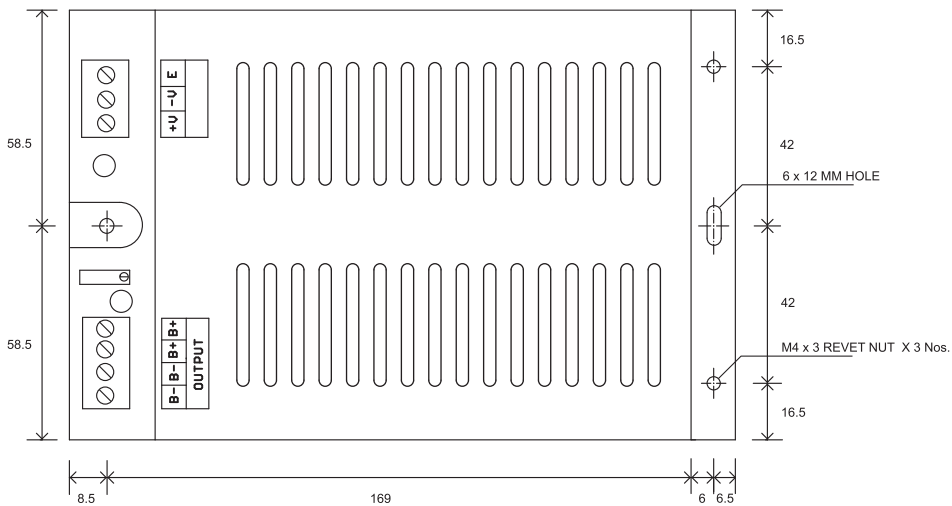
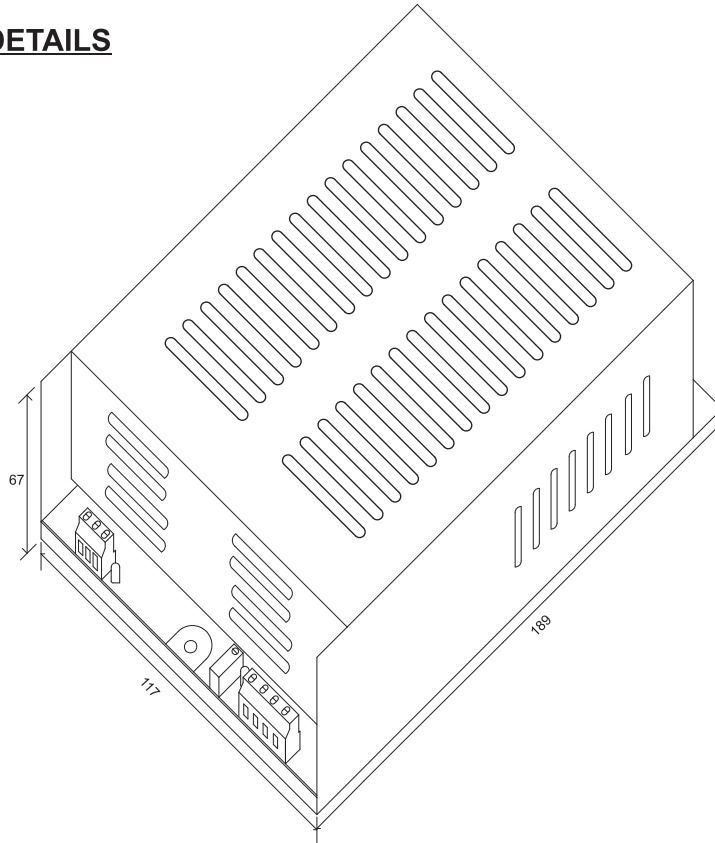
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DIMENSIONAL DETAILS



NOTE : ALL DIMENSIONS ARE IN MM

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