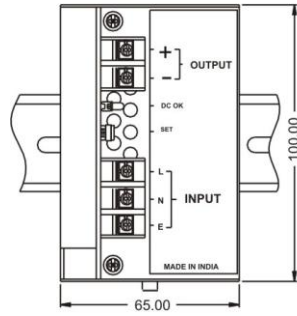
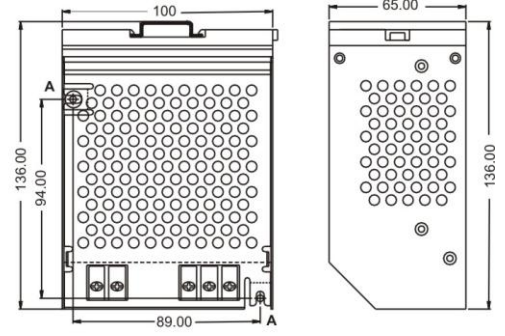


## BLACK SERIES SMPS 120W SINGLE OUTPUT



**DIN Rail Mounting**



A : Base Mounting holes suitable for M3 screw

**Base Mounting**

All dimensions in mm

**!** This product is not intended to be used as Stand-alone SMPS. It is intended to be used as component or raw material inside the main equipment.

<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Single Phase Input</li> <li>• Built In Transient protector &amp; EMI filter</li> <li>• Protection against short circuit, overload &amp; overvoltage</li> <li>• Low ripple &amp; noise</li> <li>• Cooling by free air convection</li> </ul>	<ul style="list-style-type: none"> <li>• Power OK indication, terminations, output set control &amp; rating details on front</li> <li>• 100% full load burn in tested</li> <li>• Low cost</li> <li>• High reliability</li> <li>• Compact</li> </ul>		
<b>ISOLATION</b>	Input – Output : 1.5KVAC, 1 minute Input – Earth : 1.5KVAC, 1 minute Output – Earth : 0.5KVAC, 1 minute			
<b>EFFICIENCY</b>	70 ~ 75%			
<b>O/P VOLTAGE ADJUSTMENT</b>	+/- 10% of nominal output voltage			
<b>LINE &amp; LOAD REGULATION</b>	Better than 0.5%			
<b>OVERLOAD PROTECTION</b>	Yes			
<b>HOLD UP TIME</b>	> 20ms at rated input voltage and load			
<b>OPERATING AMBIENT</b>	0 ~ 50°C, 95% RH			
<b>STORAGE AMBIENT</b>	-20°C to 85°C			
<b>TERMINATIONS</b>	45 Deg. Screw type, for 2.5mm sq. wire			
<b>MOUNTING</b>	35 mm DIN rail & Screw Mounting			
<b>WEIGHT</b>	580 grams			
<b>ORDERING INFORMATION</b>	<b>NOMINAL INPUT : 230VAC/DC</b>			
	<b>INPUT VOLTAGE</b>	<b>AC</b>	<b>DC</b>	
	<b>INPUT RANGE</b>	185 ~ 270V	200 ~ 360V	
	<b>I/P FREQUENCY</b>	47 ~ 63Hz	—	
	<b>I/P CURRENT (max)</b>	1.5A @230V	0.6A @230V	
	<b>INRUSH CURRENT</b>	32A @230V	23A @230V	
	<b>ORDER CODE</b>	BL2450	24V : 5A	< 240mV

Note : 1. All parameters measured at nominal input, rated load and 25°C of ambient temperature unless otherwise specified.  
 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 100uf parallel capacitor.  
 3. The power supply is intended to be installed as a component inside the enclosure of final equipment. The final equipment must be re-confirmed that it still meets the EMC directives.  
 4. These units are designed for mounting on horizontal DIN rail. Ensure clearance of minimum 35mm from adjacent components for proper ventilation.