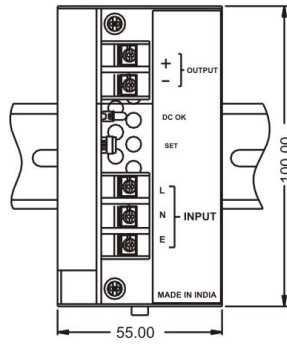
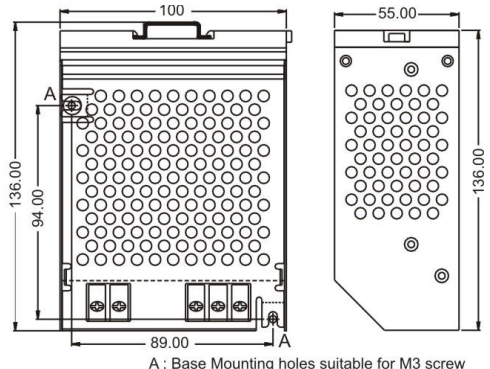


BLACK SERIES SMPS 60W SINGLE OUTPUT



DIN Rail Mounting



Base Mounting

All dimensions in mm

FEATURES	<div><div><ul style="list-style-type: none">• Single Phase Input• Built In Transient protector & EMI filter• Protection against short circuit, overload & overvoltage• Low ripple & noise• Cooling by free air convection</div><div><ul style="list-style-type: none">• Power Ok Indication, Terminations, Output Set control & Rating details on Front• 100% Full Load Burn in Tested• Low Cost• High Reliability• Compact</div></div>						
ISOLATION	Input – Output : 3KVAC, 1 minute Input – Earth : 2KVAC, 1 minute Output – Earth : 0.5KVAC, 1 minute						
EFFICIENCY	80 ~ 85% with input 230VAC & full load at output.						
OUTPUT VOLTAGE ADJUSTMENT	+/- 10% of Nominal Output Voltage						
LINE & LOAD REGULATION	Better than 0.5%						
OVERLOAD PROTECTION	105% ~ 130% of rated load						
HOLD UP TIME	> 20ms at Rated Input Voltage and Load (Refer Fig.2)						
OPERATING AMBIENT	0 ~ 50°C, 95% RH						
STORAGE AMBIENT	-20°C to 85°C						
SAFETY STANDARD	IS 13252(Part 1):2010/IEC 60950-1:2005						
EMC STANDARD	Design refers to EN55022, EN55024						
APPROVAL / MARK	BIS MARKED						
TERMINATIONS	45 Deg. Screw type, for 2.5mm sq. wire						
MOUNTING	35 mm DIN rail & Screw Mounting						
WEIGHT	480 grams						
ORDERING INFORMATION	INPUT VOLTAGE	AC	DC	OUTPUT	RIPPLE & NOISE	OVERVOLTAGE PROTECTION	
	NOMINAL INPUT	230V	230V				
	INPUT RANGE	185 ~ 270V	200 ~ 360V				
	INPUT FREQUENCY	47 ~ 63Hz	—				
	INPUT CURRENT (max)	1.0A @230V	0.35A @230V				
	INRUSH CURRENT	32A @230V	23A @230V				
	ORDER CODE	BL0580			5V : 8.0A	< 100mV	< 7V
		BL1250			12V : 5.0A	< 120mV	< 16V
		BL1540			15V : 4.0A	< 150mV	< 20V
		BL2425			24V : 2.5A	< 240mV	< 30V
		BL4812			48V : 1.25A	< 480mV	< 63V

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.

