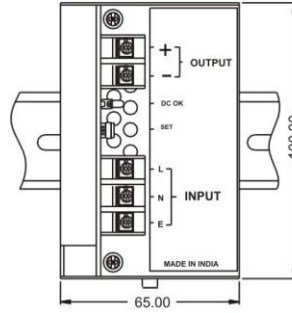
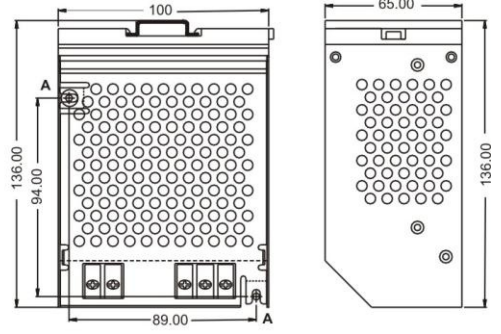


BLACK SERIES SMPS 120W SINGLE OUTPUT



DIN Rail Mounting



Base Mounting

All dimensions in mm

FEATURES	<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 	<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 				
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	580 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)	1.5A @230V	0.6A @230V			
	INRUSH CURRENT	32A @230V	23A @230V			
	ORDER CODE			12V : 8.0A	< 120mV	< 16V
				15V : 8.0A	< 150mV	< 20V
				24V : 5.0A	< 240mV	< 30V
				36V : 3.3A	< 360mV	< 45V
			48V : 2.5A	< 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.
 4. These units are designed for mounting on horizontal DIN rail. Ensure clearance of minimum 35mm from adjacent components for proper ventilation.

