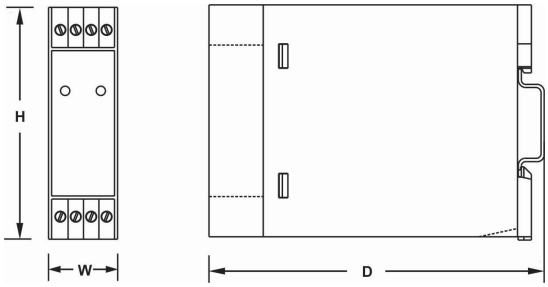
6W SINGLE OUTPUT SLIM SMPS



Dimensions

FEATURES	• Universal input voltage range (100 ~ 270VAC) • Built In Transient protector & EMI filter • Protection against short circuit, overload & over temperature • Low ripple & noise • Cooling by free air convection • Power OK indication, terminations, output set control & rating details on front • 100% full load burn in tested • Low cost • High reliability • 22.5mm Compact design din rail mountable.
ISOLATION	Input – Output : 3KVAC, 1 minute Input – Earth : 2KVAC, 1 minute Output – Earth : 0.5KVAC, 1 minute
EFFICIENCY	70 ~ 75% with input 230VAC & full load at output.
O/P VOLTAGE ADJUSTMENT	+/- 10% of nominal output voltage (5)
OVERLOAD PROTECTION	105% ~ 130% of rated load
LINE & LOAD REGULATION	Better than 0.5%
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	CE & BIS MARKED
TERMINATIONS	Screw type, for 2.5mm sq. wire
MOUNTING	35 mm DIN rail

ORDERING INFORMATION

INPUT VOLTAGE	AC	DC	OUTPUT	RIPPLE & NOISE	DIMENSIONS W X H X D (mm)	WEIGHT (MAX)
NOMINAL INPUT	230V	230V				
INPUT RANGE	100 ~ 270V	110 ~ 360V				
I/P FREQUENCY	47 ~ 63Hz	—				
I/P CURRENT (max)	0.1A @230V	50mA @230V				
INRUSH CURRENT	32A @230V	23A @230V				
ORDER CODE	G48-06-03		3.3V : 1.8A	< 100mV	23 X 76 X 110	110 grams
	G48-06-04		4.2V : 1.4A	< 100mV		
	G48-06-05		5V : 1.2A	< 100mV		
	G48-06-06		6V : 1.0A	< 100mV		
	G48-06-10		10V : 600mA	< 100mV		
	G48-06-12 (5)		12V : 500mA	< 120mV		
	G48-06-15		15V : 400mA	< 150mV		
	G48-06-24		24V : 250mA	< 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.
5. For G48-06-12, output voltage setting range is 9.6V ~ 13.2V (-20% to +10%) of nominal voltage.

Derating

Ambient temperature Vs Load current

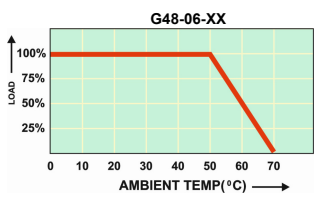


FIG.1

Brown – Out Sustainability

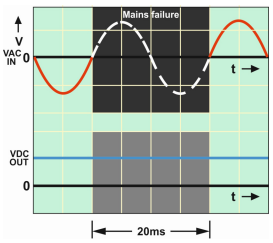


FIG.2

Output Characteristics

Input voltage Vs Load current

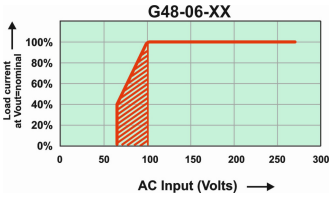


FIG.3

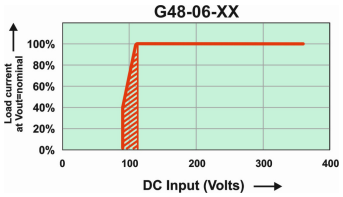


FIG.4

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