

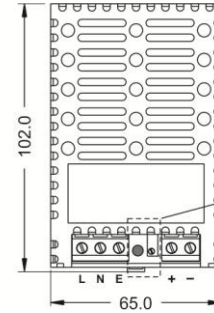
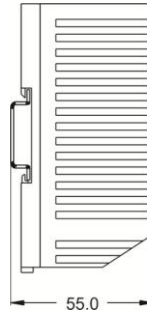
## 24W SMPS SINGLE OUTPUT



IS 13252(Part 1):2010  
IEC 60950-1:2005



R-71916276  
www.bis.gov.in



All dimensions in mm

<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 : 3KVAC, 1 minute Input – Earth : 2KVAC, 1 minute Output – Earth : 0.5KVAC, 1 minute	
<b>EFFICIENCY</b>	75 ~ 78% with input 230VAC & full load at output.	
<b>OUTPUT VOLTAGE ADJUSTMENT</b>	+/- 10% of nominal output voltage	
<b>OVERLOAD PROTECTION</b>	105% ~ 130% of rated load	
<b>LINE &amp; LOAD REGULATION</b>	Better than 0.5%	
<b>HOLD UP TIME</b>	> 20ms at rated input voltage and load (Refer Fig.4)	
<b>OPERATING AMBIENT</b>	0 ~ 50°C, 95% RH	
<b>STORAGE AMBIENT</b>	-20°C to 85°C	
<b>SAFETY STANDARD</b>	IS 13252(Part 1):2010/IEC 60950-1:2005	
<b>EMC STANDARD</b>	Design refers to EN55022, EN55024	
<b>APPROVAL / MARK</b>	CE & BIS MARKED	
<b>TERMINATIONS</b>	Screw type, for 2.5mm sq. wire	
<b>MOUNTING</b>	35 mm DIN rail	
<b>WEIGHT</b>	180 grams	

<b>ORDERING INFORMATION</b>	230VAC/DC INPUT		UNIVERSAL INPUT		<b>OUTPUT</b>	<b>RIPPLE &amp; NOISE</b>	<b>OVERVOLTAGE PROTECTION</b>	
	INPUT VOLTAGE	AC	DC	AC				DC
	NOMINAL INPUT	230V	230V	230V				230V
	INPUT RANGE	185 ~ 270V	200 ~ 360V	100 ~ 270V				110 ~ 360V
	INPUT FREQUENCY	47 ~ 63Hz	—	47 ~ 63Hz				—
	INPUT CURRENT (max)	0.3A @230V	0.15A @230V	0.6A @230V				0.15A @230V
	INRUSH CURRENT	32A @230V	23A @230V	32A @230V				23A @230V
<b>ORDER CODE</b>	-		G48-24-05		05V : 4.0A	< 100mV	< 7V	
	-		G48-24-10		10V : 2.4A	< 100mV	< 14V	
	G41-24-12		G48-24-12		12V : 2.0A	< 120mV	< 16V	
	-		G48-24-15		15V : 1.5A	< 150mV	< 20V	
	G41-24-24		G48-24-24		24V : 1.0A	< 240mV	< 30V	
	-		G48-24-28		28V : 0.8A	< 280mV	< 35V	
	-		G48-24-36		36V : 0.6A	< 360mV	< 45V	
	-		G48-24-48		48V : 0.5A	< 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.

### Derating

#### Ambient temperature Vs Load current

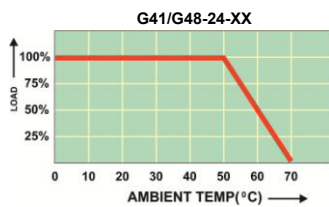


FIG.1

### Output Characteristics

#### Input voltage Vs Load current

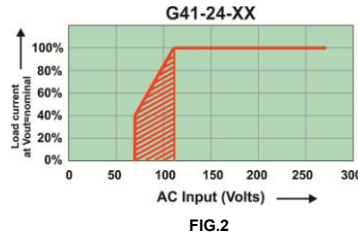


FIG.2

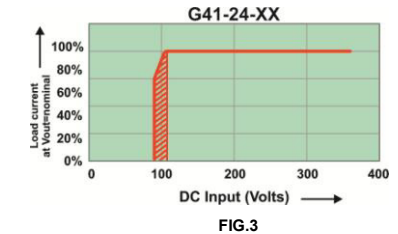


FIG.3

#### Brown-Out Sustainability

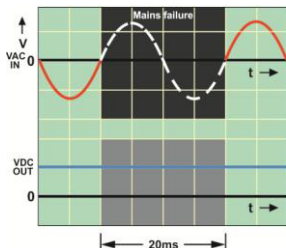


FIG.4

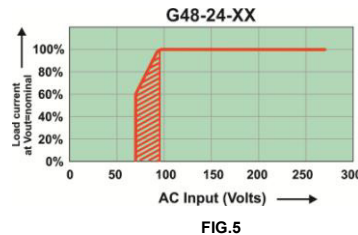


FIG.5

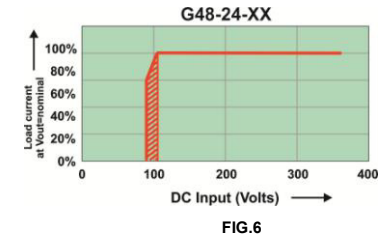


FIG.6