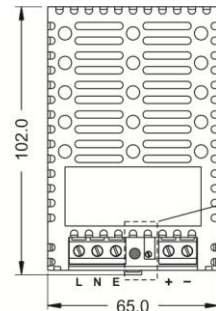
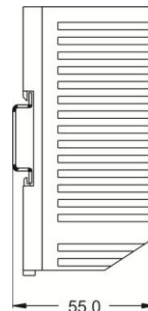


24W SMPS SINGLE OUTPUT



IS 13252(Part 1):2010
IEC 60950-1:2005
R-71016276
www.shavison.com



All dimensions in mm

FEATURES	- Single Phase Input - Built In Transient protector & EMI filter - Protection against short circuit, overload & overvoltage - 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 - Compact					
ISOLATION	Input – Output : 3KVAC, 1 minute Input – Earth : 2KVAC, 1 minute Output – Earth : 0.5KVAC, 1 minute							
EFFICIENCY	75 – 78% with input 230VAC & full load at output.							
OUTPUT VOLTAGE ADJUSTMENT	+/- 10% of nominal output voltage							
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.4)							
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							
WEIGHT	180 grams							
ORDERING INFORMATION		230VAC/DC INPUT		UNIVERSAL INPUT		OUTPUT	RIPPLE & NOISE	OVERVOLTAGE PROTECTION
	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			
	ORDER CODE		-		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

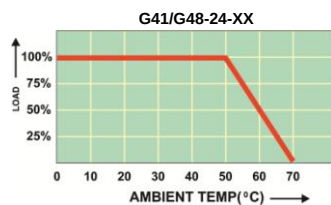


FIG.1

Brown-Out Sustainability

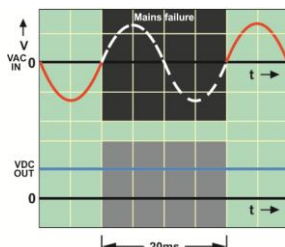


FIG.4

Output Characteristics

Input voltage Vs Load current

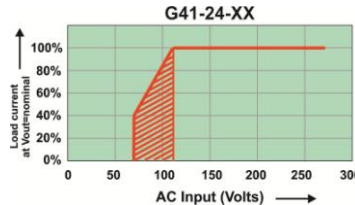


FIG.2

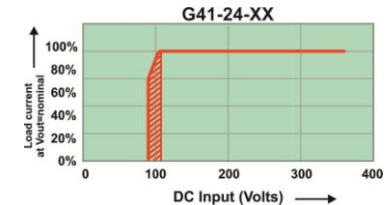


FIG.3

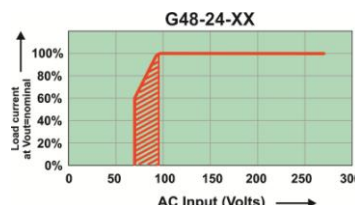


FIG.5

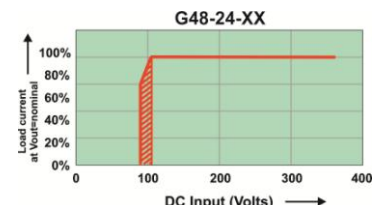


FIG.6