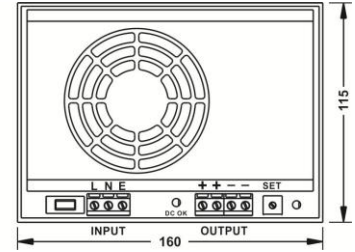
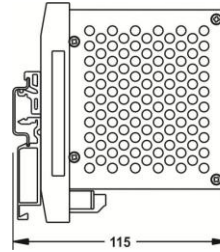


250W SMPS SINGLE OUTPUT



All dimensions in mm

FEATURES

- Single Phase Input
- Built In Transient protector & EMI filter
- Protection against short circuit, overload, overvoltage & overtemperature
- Low ripple & noise
- Forced Cooling (Internal Fan with Automatic fan control)
- 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

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

950 grams

ORDERING INFORMATION

	230VAC/DC INPUT		110VAC/DC INPUT		OUTPUT	RIPPLE & NOISE	OVERVOLTAGE PROTECTION
INPUT VOLTAGE	AC	DC	AC	DC			
NOMINAL INPUT	230V	230V	110V	110V			
INPUT RANGE	185 ~ 270V	220 ~ 360V	90 ~ 130V	100 ~ 160V			
INPUT FREQUENCY	47 ~ 63Hz	—	47 ~ 63Hz	—			
INPUT CURRENT (max)	2.5A @230V	1.3A @230V	5A @ 90V	2.5A @110V			
INRUSH CURRENT	32A @230V	23A @230V	16A @ 110V	11A @110V			
ORDER CODE	G41-250-12		G42-250-12		12V : 20.0A	< 120mV	< 16V
	G41-250-15		G42-250-15		15V : 15.0A	< 150mV	< 20V
	G41-250-19		G42-250-19		19V : 12.6A	< 190mV	< 24V
	G41-250-24		G42-250-24		24V : 10.0A	< 240mV	< 30V
	G41-250-30		G42-250-30		30V : 08.0A	< 300mV	< 36V
	G41-250-36		G42-250-36		36V : 06.5A	< 360mV	< 45V
	G41-250-48		G42-250-48		48V : 05.0A	< 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

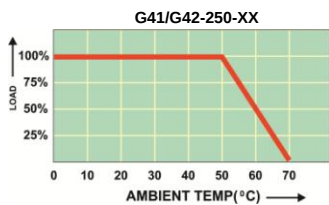


FIG.1

Brown-Out Sustainability

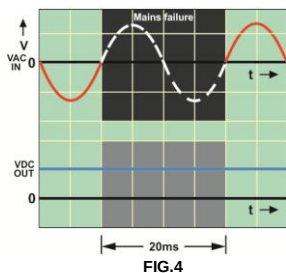


FIG.4

Output Characteristics

Input voltage Vs Load current

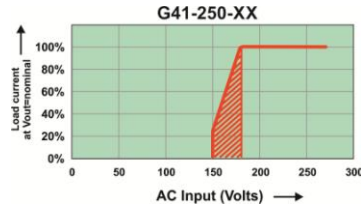


FIG.2

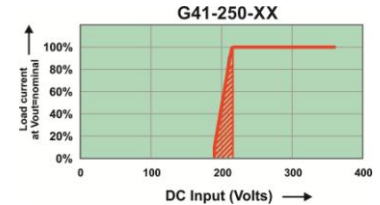


FIG.3

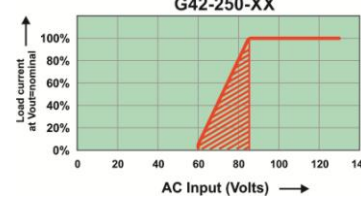


FIG.5

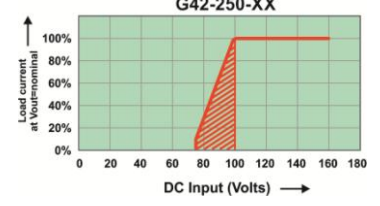


FIG.6