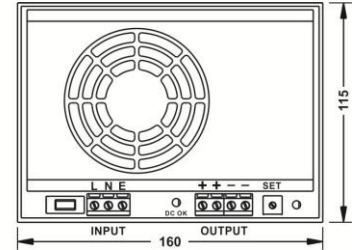
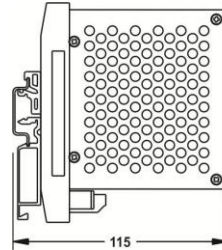


250W SMPS SINGLE OUTPUT



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 & 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.

