



50W SINGLE OUTPUT SMPS

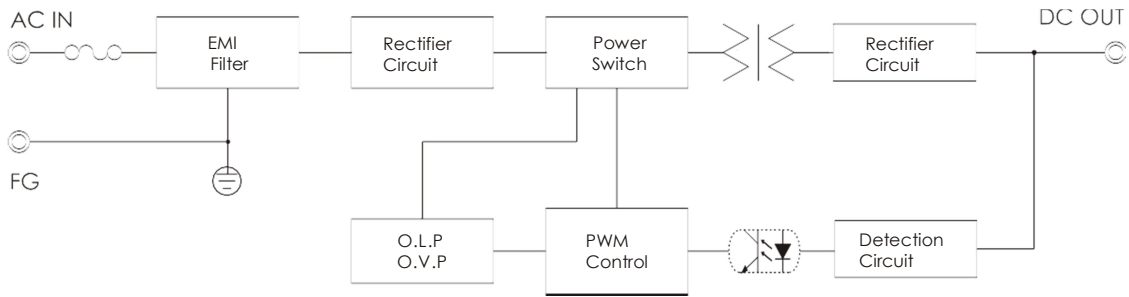
Constant voltage design
 Protections: Overload/Over voltage /Short circuit
 Cooling by air convection
 Din-rail installations
 LED indicator for power on
 100% full load burn-in test
 Suitable for industrial control system,F.A,semiconductor fabrication equipment
 and electro-mechanical applications
 Safety standards : EN60950-1
 EMC standards : EN55022,EN61204-3, EN61000-3,2,3,EN61000-3-3



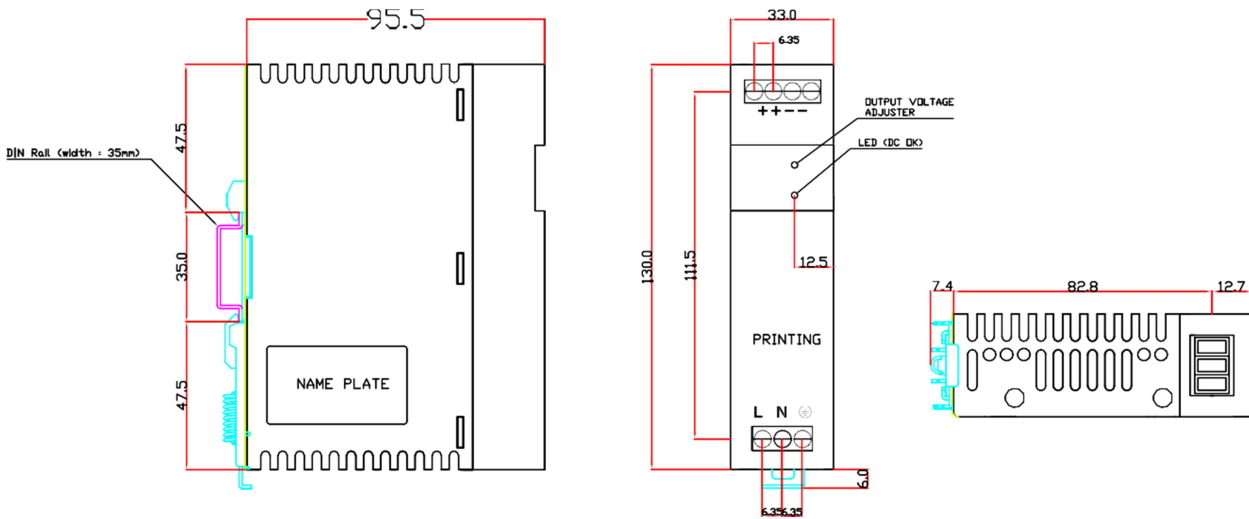
ITEM		GK050R
INPUT	VOLTAGE RANGE	AC200-240V
	FREQUENCY RANGE	47~63Hz
	EFFICIENCY(typ.)	85%
	AC CURRENT(typ.)	0.6A/230VAC
	INRUSH CURRENT(typ.)	COLD START 30A/230VAC
	LEAKAGE CURRENT	<2.5mA / 230VAC
OUTPUT	DC VOLTAGE	24V
	RATED CURRENT	2.1A
	RATED POWER	50W
	RIPPLE&NOISE(max.) <small>Note2</small>	290mVp-p
	VOLTAGE ADJ. RANGE	±5%
	VOLTAGE TOLERANCE <small>Note3</small>	±3%
	LINE REGULATION <small>Note4</small>	±1%
	LOAD REGULATION <small>Note5</small>	±2%
	SETUP,RISE TIME(max.)	3000ms,100ms/230VAC at full load
HOLD UP TIME(typ.)	10ms/230VAC at full load	
PROTEC-TION	SHORT CIRCUIT	Hiccup mode ; recovers automatically after fault condition is removed
	OVERLOAD	Over 110% of rating ; recovers automatically after fault condition is removed
	OVER VOLTAGE	115~140% of rating
ISOLA-TION	WITHSTAND VOLTAGE	I/P-O/P:AC3KV, I/P-F.G:AC1.5KV, O/P-F.G:AC0.5KV
	ISOLATION RESISTANCE	I/P-O/P, I/P-F.G, O/P-F.G:DC500V 100Mohms(At room temp. & humid.)
ENVIRON-MENT	WORKING TEMP.&HUMID.	-20~+50°C(Refer to "DERATING CURVE"),20~95%RH
	STORAGE TEMP.&HUMID.	-30~+75°C,10~95%RH
	VIBRATION	10~500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
OTHERS	DIMENSION/WEIGHT	33*130*95.5mm(W*H*D)/0.43Kg
NOTE	1. All parameters not specially mentioned are measured at 220vac input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHZ of bandwidth by using a 12" twisted pare-wire terminated with 0.1 uF & 47uF parallel capacitor. 3. tolerance : includes set up tolrance, line regulation and load regulation. 4. Line regulation is measured from low line to high line at rated load. 5. Load regulation is measured from low 0% to 100% rated load.	



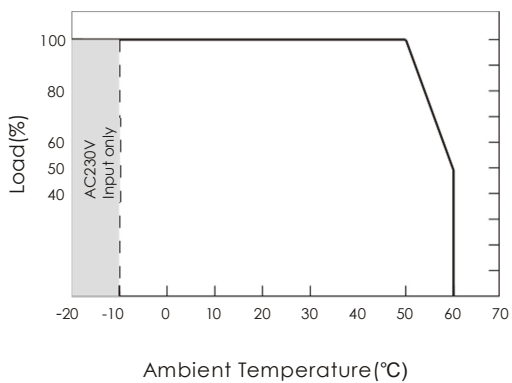
■ BLOCK DIAGRAM



■ DIMENSIONS(unit:mm)



■ DERATING CURVE



■ STATIC CHARACTERISTICS

