

**Features:**

1. AC input range selected by switch
2. Protections: Short circuit/Over load/Over voltage
3. Cooling by free air convection

MODEL		S-50-12
OUTPUT	DC VOLTAGE	12V
	RATED CURRENT	4.2A
	CURRENT RANGE	0 ~ 4.2A
	RATED POWER	50.4W
	RIPPLE & NOISE (max.)	100mVp-p
	VOLTAGE ADJ. RANGE	10,8 ~ 13,2 V
	VOLTAGE TOLERANCE	±1,0%
	LINE REGULARION	±0,5%
	LOAD REGULATION	±0,5%
SETUP, RISE, HOLD TIME	200ms, 100ms, 20ms at full load	
INPUT	VOLTAGE RANGE	85 ~ 132VAC / 170 ~ 264VAC selected by switch 240 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY(Typ.)	78%
	AC CURRENT	1.3A/115VAC 0.65A/230VAC
	INRUSH CURRENT(max.)	COLD START 18A/115VAC 36A/230VAC
LEAKAGE CURRENT	<1mA / 240VAC	
PROTECTION	OVER LOAD	105 ~ 150% rated output power Protection type Hiccup mode, recovers automatically after fault condition is removed.
	ENVIRONMENT	WORKING TEMP. -10 ~ +60°C (Refer to output load derating curve)
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C , 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
SAFETY & EMC	SAFETY STANDARDS	Design refer to UL1012
	WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC
	EMI CONDUCTION & RADIA	Design refer to FCC Part15 J Conduction Class B
OTHERS	DIMENSION	159*97*38mm (L*W*H)
	PACKING	0.51Kg; 24pcs/13.1Kg/0.7CUFT
NOTE	<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor 3. Tolerance : includes set up tolerance, line regulation and load regulation 	