S.M.P.S Enclosed Switching Power Supply Low Cost Type

15L Series

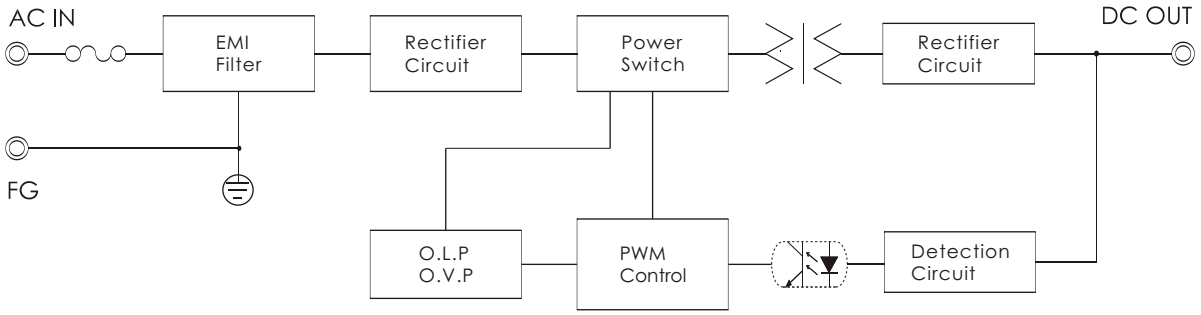
15W SINGLE OUTPUT

- ▷ Constant voltage design
- ▷ Low cost, high reliability
- ▷ Wide input range
- ▷ Protections: Overload/Over voltage /Short circuit
- ▷ 100% full load burn-in test
- ▷ Suitable for LED lighting and industrial applications
- ▷ Safety standards : EN60950-1/K61347-1,K61347-2-13
- ▷ EMC standards : K00015,K61547,K61000-4-2,3,4,5,6,11
- ▷ 2years warranty

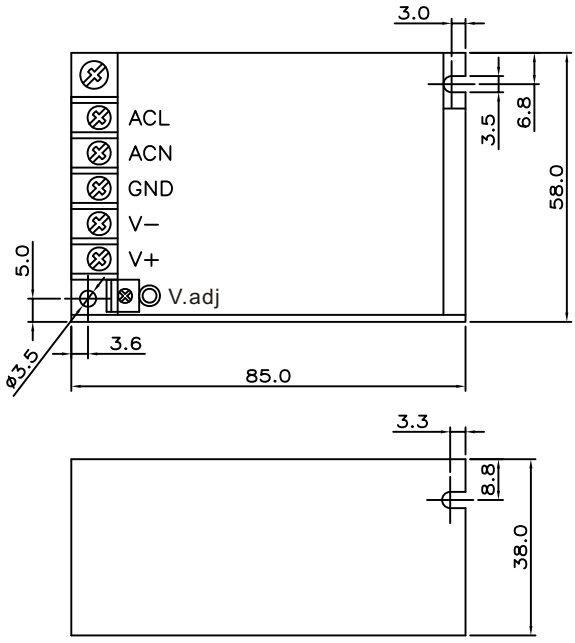
CB CE

ITEM		UP15S05L	UP15S12L	UP15S24L
INPUT	VOLTAGE RANGE	AC90~264V		
	FREQUENCY RANGE	47~63Hz		
	EFFICIENCY(typ.)	75%	78%	80%
	AC CURRENT(typ.)	0.27A/115VAC 0.16A/230VAC		
	INRUSH CURRENT(typ.)	COLD START 20A/230VAC		
	LEAKAGE CURRENT	<2mA / 230VAC		
OUTPUT	DC VOLTAGE	5V	12V	24V
	RATED CURRENT	3A	1.3A	0.7A
	RATED POWER	15W	15W	15W
	RIPPLE&NOISE(max.) Note2	100mVp-p	170mVp-p	290mVp-p
	VOLTAGE ADJ. RANGE	±5%	±5%	±5%
	VOLTAGE TOLERANCE Note3	±3%	±3%	±3%
	LINE REGULATION Note4	±1%	±1%	±1%
	LOAD REGULATION Note5	±2%	±2%	±2%
	SETUP,RISE TIME(typ.)	1300ms,10ms/115VAC at full load 600ms,10ms/230VAC at full load		
	HOLD UP TIME(typ.)	10ms/115VAC at full load 70ms/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~+60℃(Refer to "DERATING CURVE"),20~95%RH		
	STORAGE TEMP.&HUMID.	−30~+75℃,10~95%RH		
	VIBRATION	10~500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes		
OTHERS	DIMENSION	85*58*38mm(L*W*H)		
	WEIGHT	0.15Kg		
NOTE	1. All parameters not specially mentioned are measured at 220Vac input, rared load and 25℃ 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.			

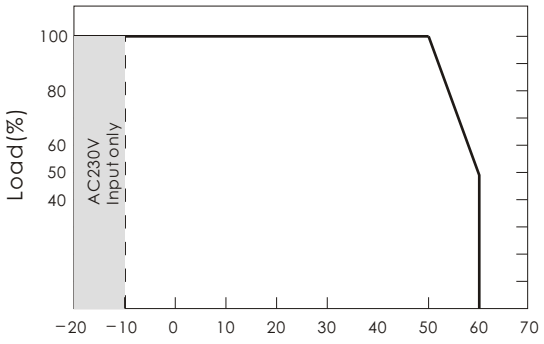
■ BLOCK DIAGRAM



■ DIMENSIONS(unit:mm)



■ DERATING CURVE



■ STATIC CHARACTERISTICS