S.M.P.S | Enclosed Switching Power Supply | General Type

600S Series

600W SINGLE OUTPUT

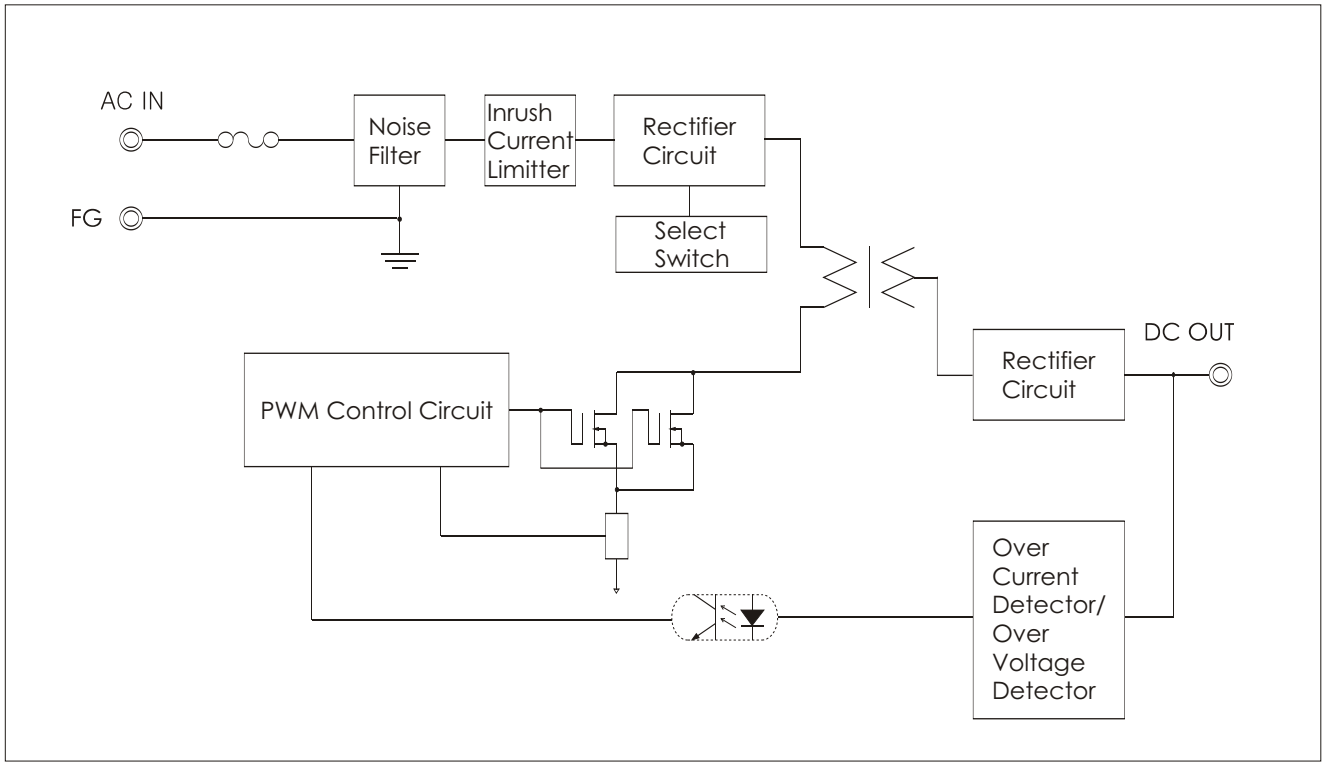
- ▶Constant voltage design
- ▶Dual input range (selectable by switch)
- ▶Protection : Over load /Over voltage/Short circuit
- ▶100% full load burn-in test
- ▶DC Adjust range : Fixed,can be modified within ±5% rated output voltage
- ▶Suitable for LED lighting and industrial applications
- ▶Safety standards : EN60950-1/K61347-2-1,K61347-2-13
- ▶EMC standards : K00015,K61547,K61000-4-2,3,4,5,6,11
- ▶3years warranty

CE KC (For 12V,24V only) EMI / EMS

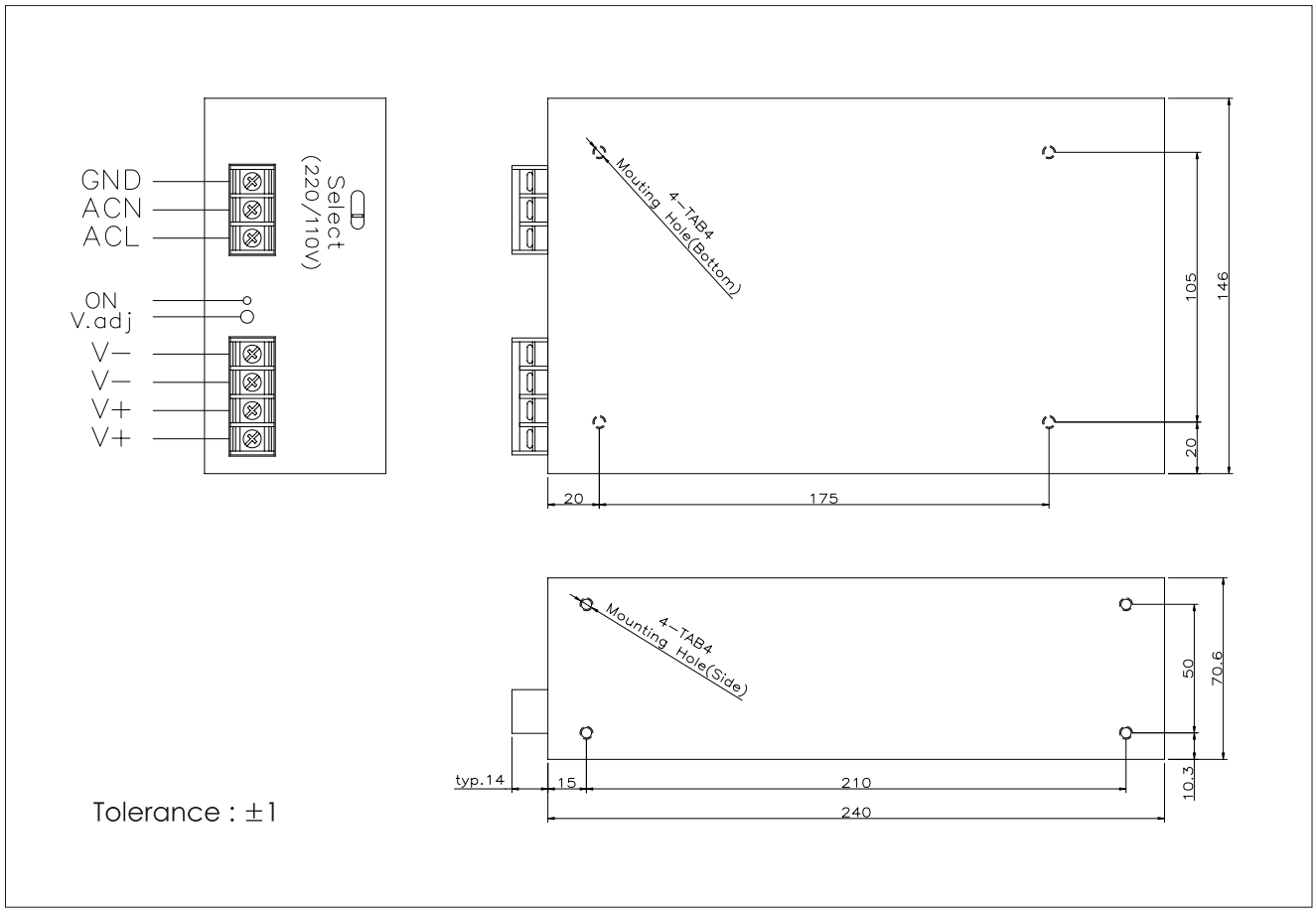
SPECIFICATIONS

Item			UP600S12	UP600S24
INPUT	VOLTAGE		AC90~132/180~264V	14A typ (ACIN 110V, Io=100%) 7A typ (ACIN 220V, Io=100%)
	FREQUENCY		50/60Hz(47~63Hz)	
	EFFICIENCY		78% Typ	82% Typ
	INRUSH CURRENT		25A Typ(ACIN 110V, Io=100%)/50A Typ(ACIN 220V, Io=100%) at cold start	
OUTPUT	VOLTAGE	[V]	**12**	**24**
	CURRENT	[A]	**50.0**	**25.0**
	LINE REGULATION	[mV]	60 Max	120 Max
	LOAD REGULATION	[mV]	120 Max	240 Max
	RIPPLE	[mVp-p]	120 Max	240 Max
	RIPPLE NOISE	[mVp-p]	170 Max	290 Max
	TEMPERATURE DRIFT,0-50℃	[mV]	120 Max	240 Max
	RISE TIME	[msec]	1,500 Max (ACIN100V/200V, Io=100%)	
	HOLDING TIME	[msec]	20 Typ(ACIN100V/200V, Io=100%)	
PROTEC -TION	OVER CURRENT PROTECTION		Works at over 110% of rating and recovers automatically	
	OVER VOLTAGE PROTECTION		Works at 115~140% of rating	
ISOLAT - ION	INPUT-OUTPUT		AC3,000V for 1 minute, DC500V 100Mohm (At room temp. & humid.)	
	INPUT-CASE, FG		AC1,500V for 1 minute, DC500V 100Mohm (At room temp. & humid.)	
	OUTPUT-CASE		AC500V for 1 minute, DC500V 100Mohm (At room temp. & humid.)	
ENVIRON -MENT	OPERATING TEMP. & HUMID.		−10~+60℃(refer to "DERATING CURVE),20~90%RH	
	STORAGE TEMP. & HUMID.		−10~+75℃,20~90%RH	
	VIBRATION		10~55Hz at 1G 3 minutes period, 30 minutes along X, Y and Z axis	
	IMPACT		10G for 20 msec, Once on each X, Y and Z axis	

BLOCK DIAGRAM



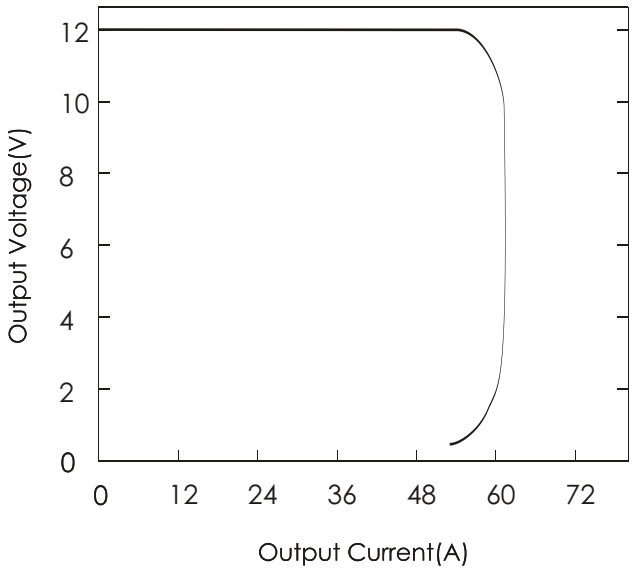
DIMENSIONS(UNITS : MM)



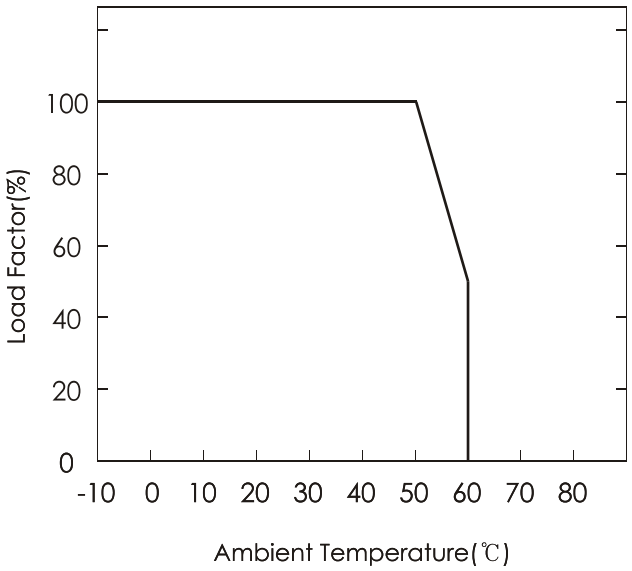
Characteristic curve

*(12V MODEL)

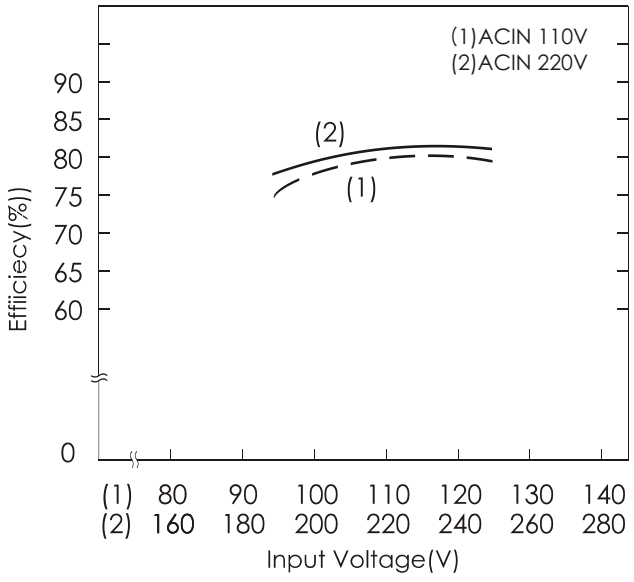
A. OVER CURRENT CHARACTERISTICS



B. DERATING CHARACTERISTICS



C. EFFICIENCY CHARACTERISTICS



D. RISING/FALLING TIME CHARACTERISTICS