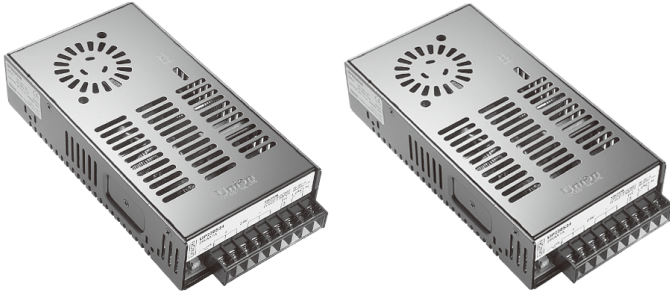


# 220S Series

220W 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  $\pm 5\%$  rated output voltage
- ▶ Suitable for LED lighting and industrial applications
- ▶ Safety standards : K61347-2-1, K61347-2-13
- ▶ EMC standards : K00015, K61547, K61000-4-2, 3, 4, 5, 6, 11
- ▶ 3 years warranty



## SPECIFICATIONS

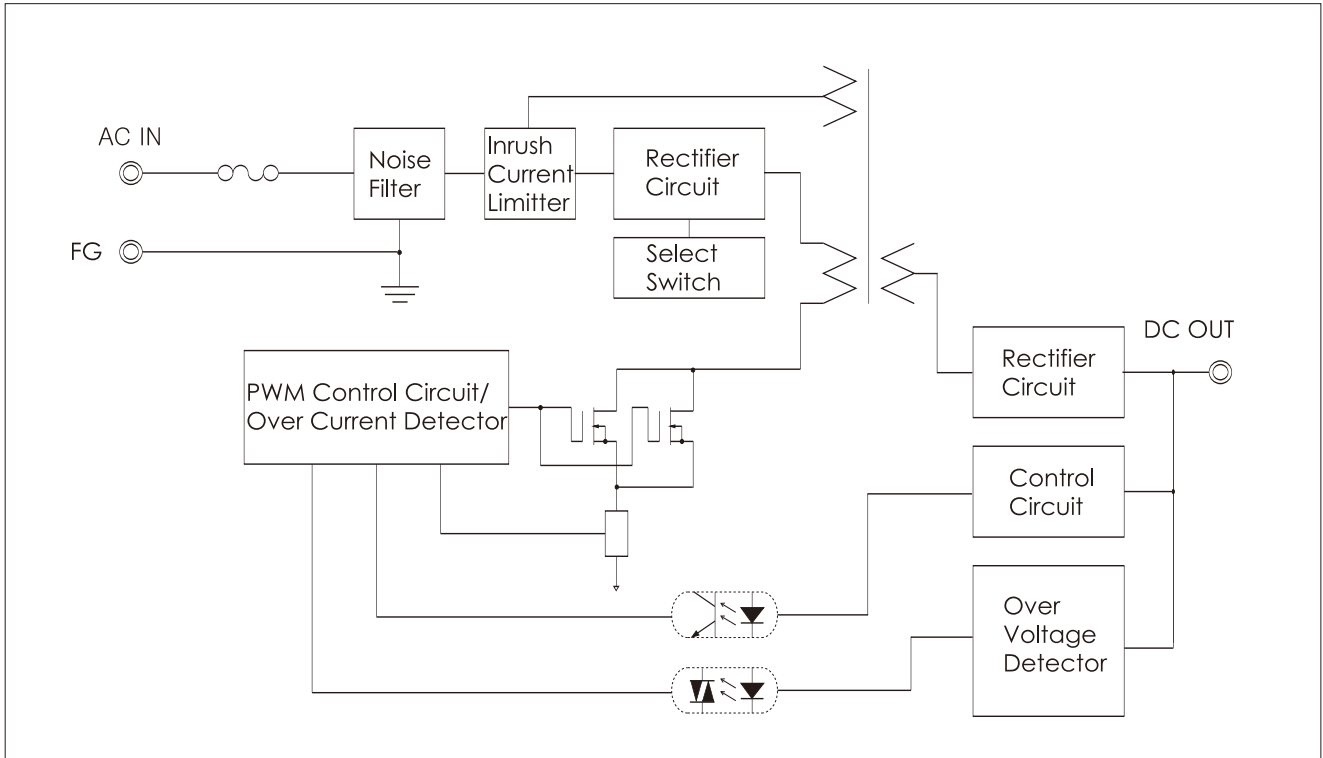
Item		UP220S12	UP220S24
INPUT	VOLTAGE	AC90~132/180~264V	4.4A typ (ACIN 110V, Io=100%) 2.2A typ (ACIN 220V, Io=100%)
	FREQUENCY	50/60Hz(47~63Hz)	
	EFFICIENCY	82% Typ	85% Typ
	INRUSH CURRENT	20A Typ(ACIN 110V, Io=100%)/40A Typ(ACIN 220V, Io=100%) at cold start	
OUTPUT	VOLTAGE [V]	<b>12</b>	<b>24</b>
	CURRENT [A]	<b>18.3</b>	<b>9.1</b>
	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°C [mV]	120 Max	240 Max
	RISE TIME [msec]	600 Max (ACIN 100V/200V, Io=100%)	
HOLDING TIME [msec]	15 Typ (ACIN 100V/200V, Io=100%)		
PROTECTION	OVER CURRENT PROTECTION	Works at over 110% of rating and recovers automatically	
	OVER VOLTAGE PROTECTION	Works at 115~140% of rating	
ISOLATION	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.)	
ENVIRONMENT	OPERATING TEMP. & HUMID.	-10~+60°C (refer to "DERATING CURVE"), 20~90%RH	
	STORAGE TEMP. & HUMID.	-10~+75°C, 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	

S.M.P.S

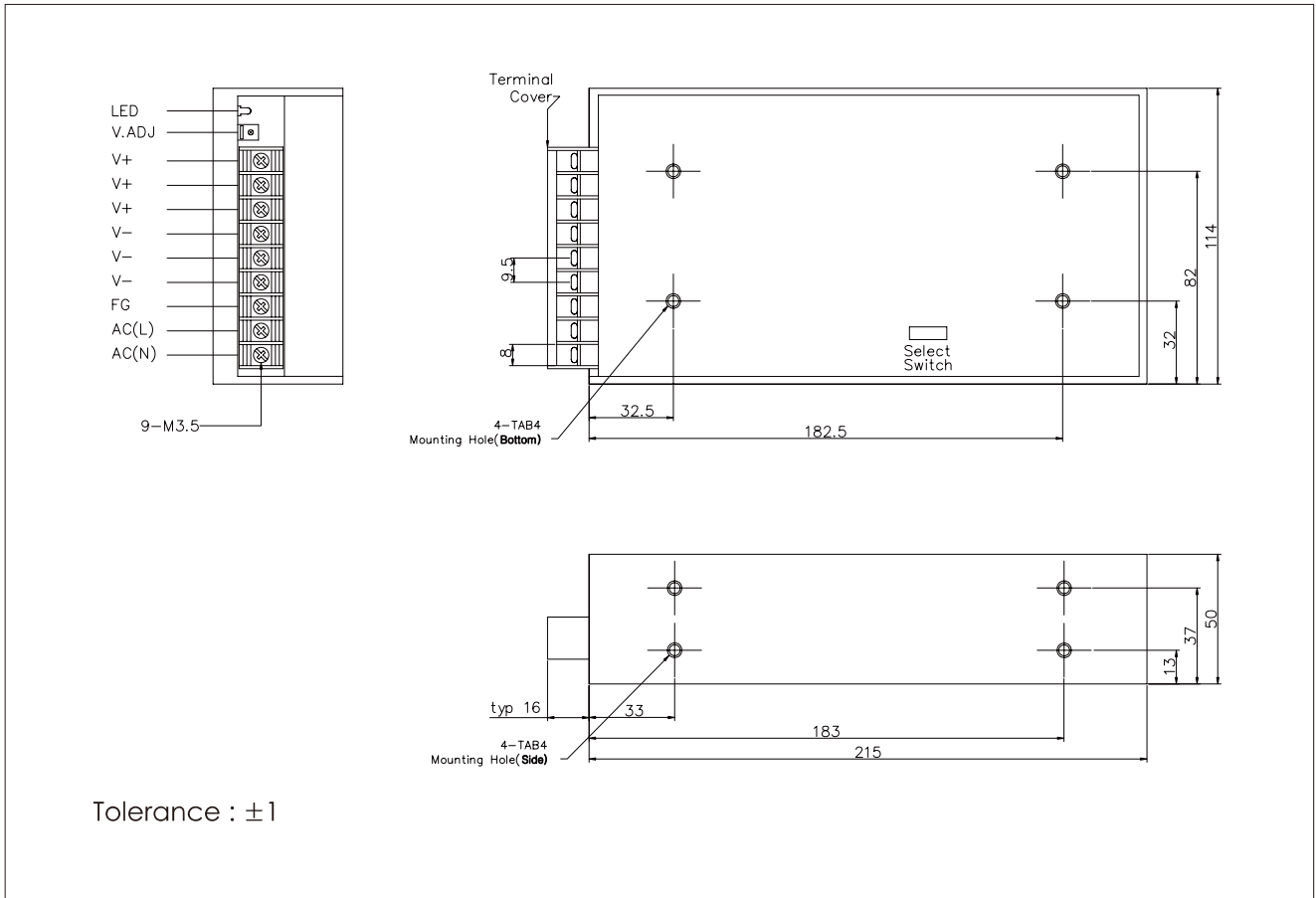
Enclosed Switching Power Supply

General Type

BLOCK DIAGRAM



DIMENSIONS(UNITS : MM)

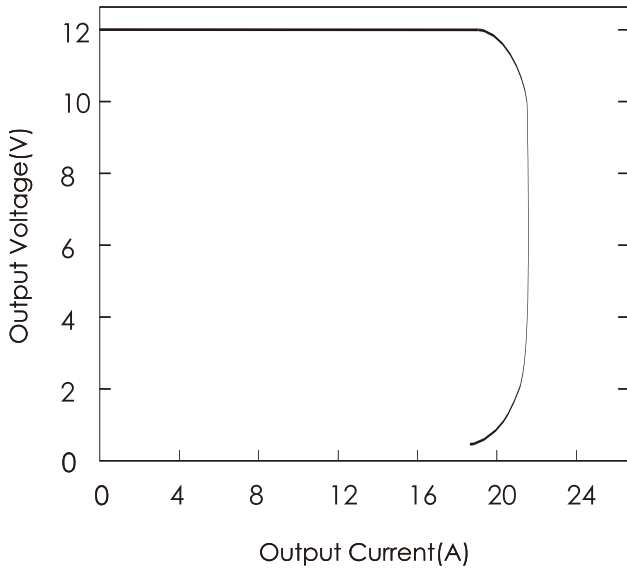


Tolerance : ±1

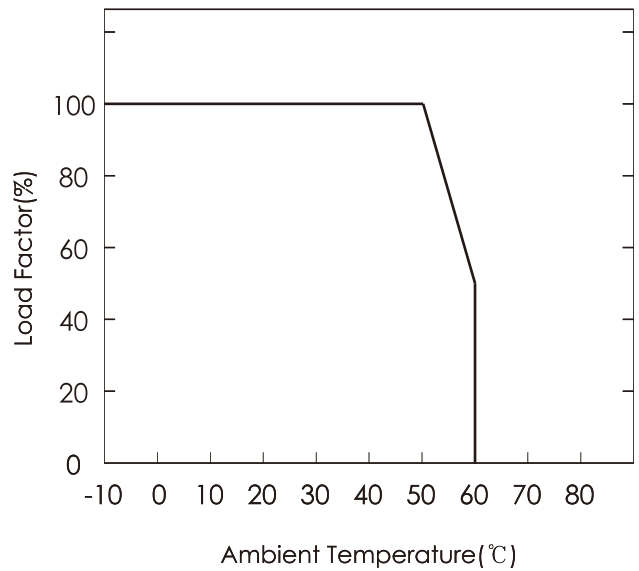
Characteristic curve

\*( 12V MODEL )

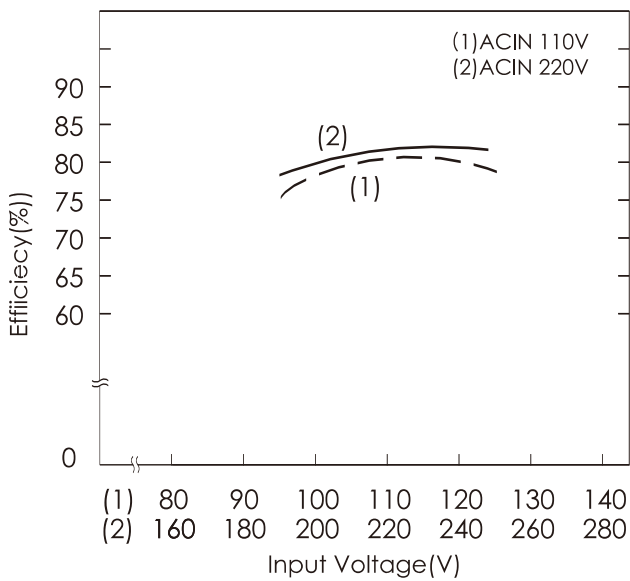
A. OVER CURRENT CHARACTERISTICS



B. DERATING CHARACTERISTICS



C. EFFICIENCY CHARACTERISTICS



D. RISING/FALLING TIME CHARACTERISTICS

