

75S Series



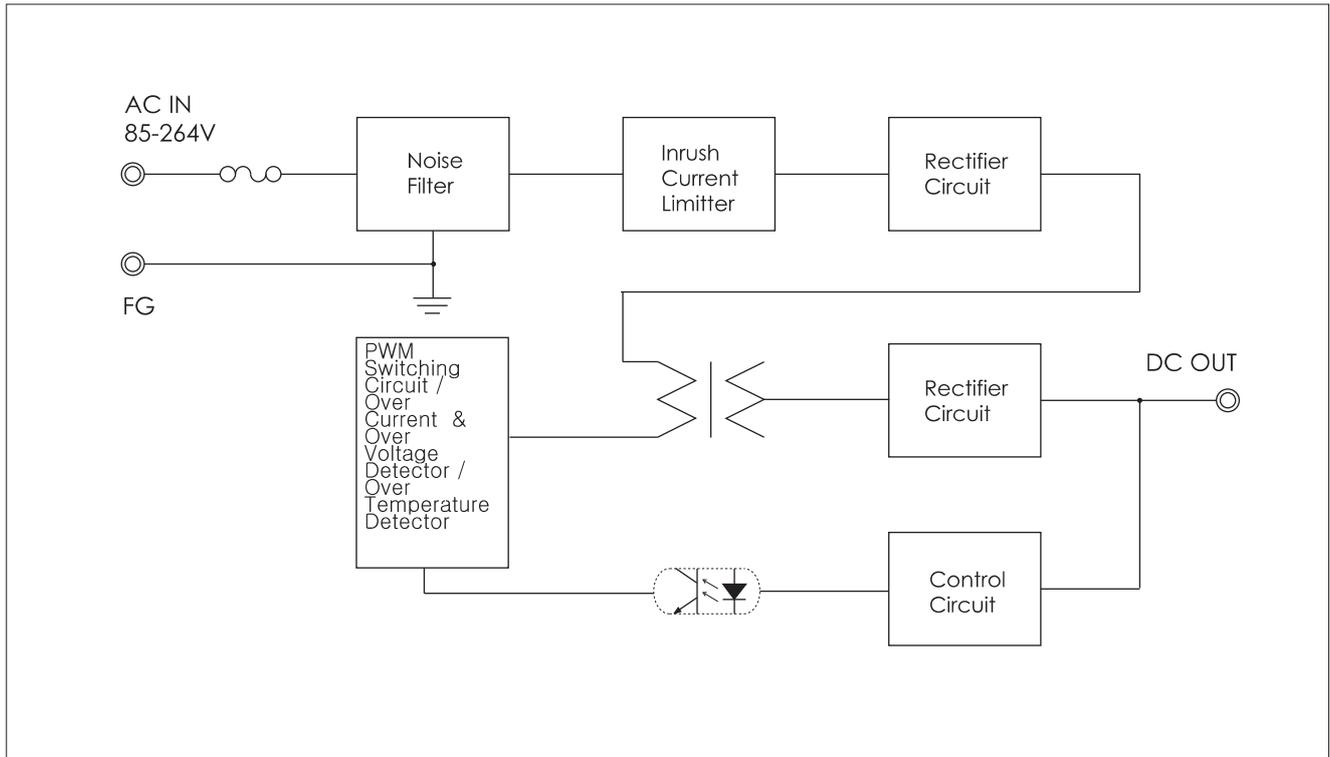
75W 1-Channel

- **5V15A/12V6.2A/15V5A/24V3.1A/36V2A/48V1.5A Output**
- **Wide Input Voltage Range (AC85-264V)**
- **Built-in Inrush Current Limiter, Over Current Protector and Over Voltage Protector**
- **Over Temperature Protection**
- **Auto-Restart Mode**
- **Approved by EN 60950-1 CE**

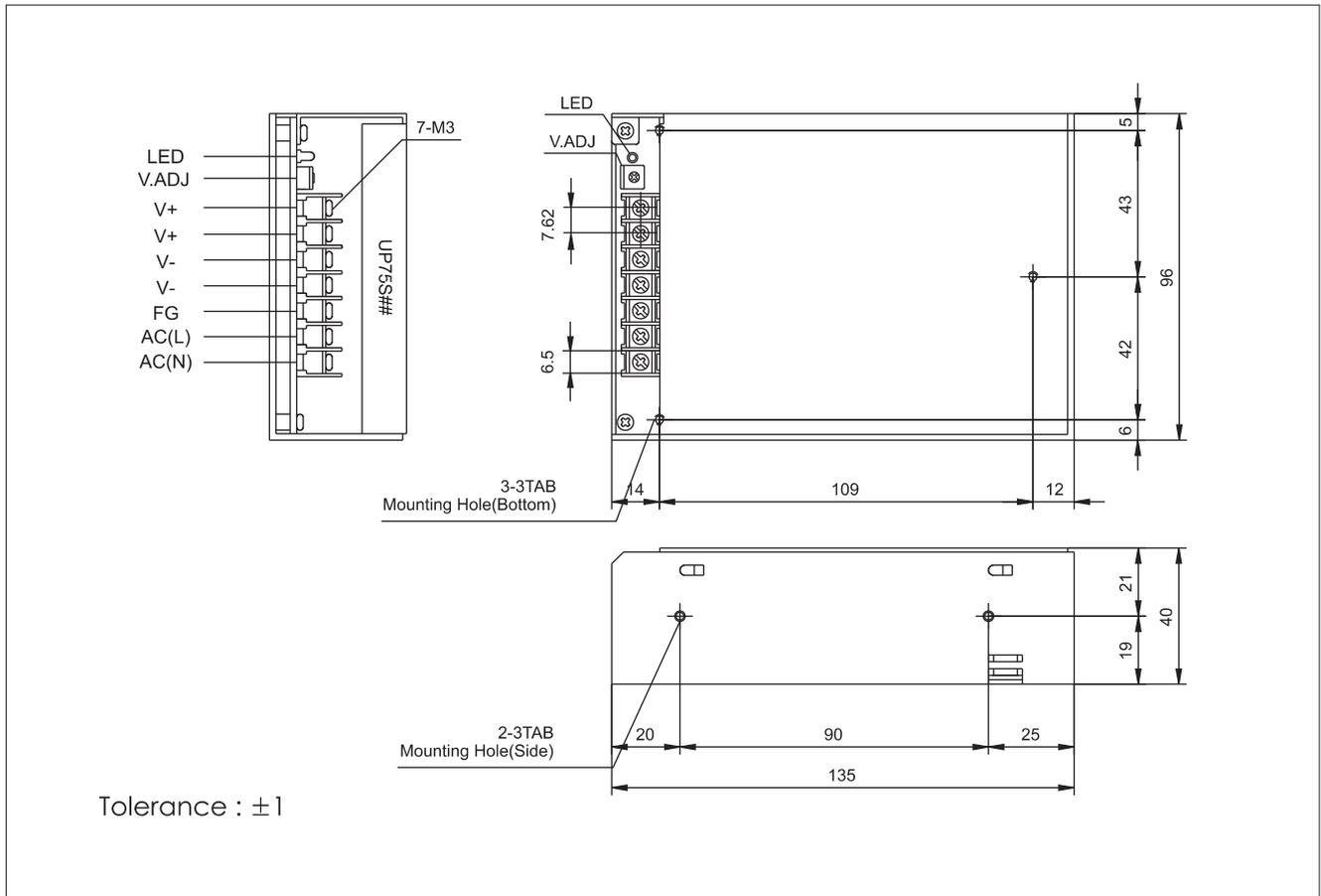
SPECIFICATIONS

Item		UP75S05	UP75S12	UP75S15	UP75S24	UP75S36	UP75S48
INPUT	VOLTAGE	AC85~264V					
	FREQUENCY	50/60Hz(47~63Hz)					
	EFFICIENCY	70% Typ	80% Typ	80% Typ	82% Typ	83% Typ	85% Typ
	INRUSH CURRENT	20A Typ(ACIN 110V, Io=100%)/40A Typ(ACIN 220V, Io=100%) at cold start					
OUTPUT	VOLTAGE [V]	5	12	15	24	36	48
	CURRENT [A]	15.0	6.2	5.0	3.1	2.0	1.5
	LINE REGULATION [mV]	25 Max	60 Max	75 Max	120 Max	180 Max	240 Max
	LOAD REGULATION [mV]	50 Max	120 Max	150 Max	240 Max	360 Max	480 Max
	RIPPLE [mVp-p]	50 Max	120 Max	150 Max	240 Max	360 Max	480 Max
	RIPPLE NOISE [mVp-p]	100 Max	170 Max	200 Max	290 Max	410 Max	530 Max
	TEMPERATURE DRIFT,0-50°C [mV]	50 Max	120 Max	150 Max	240 Max	360 Max	480 Max
	RISE TIME [msec]	600 Max (ACIN 85V, Io=100%)					
HOLDING TIME [msec]	15 Typ(ACIN 85V, 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~+50°C, 20~90%RH(Non condensing)					
	STORAGE TEMP. & HUMID.	-20~+75°C, 20~90%RH(Non condensing)					
	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					
	APPROVALS	CE	CE	CE	CE		

BLOCK DIAGRAM



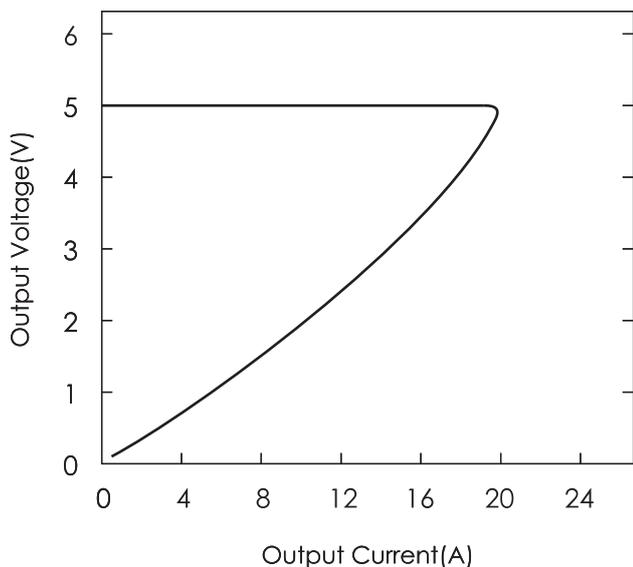
DIMENSIONS(UNITS : MM)



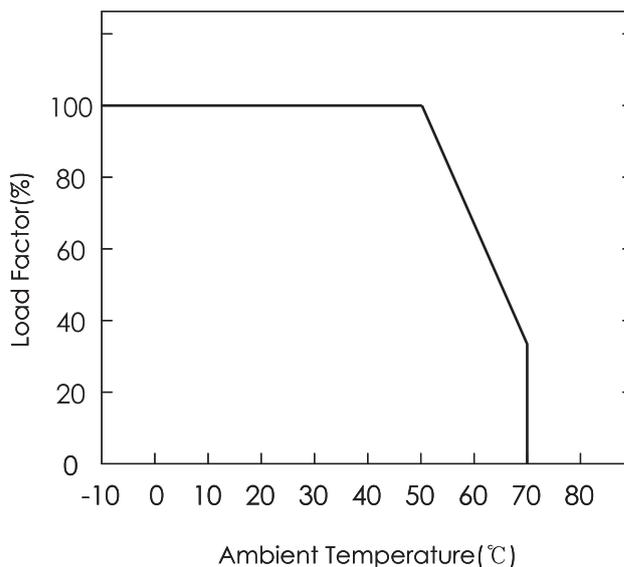
S.M.P.S

4. 75S/75SN Series(75S05)

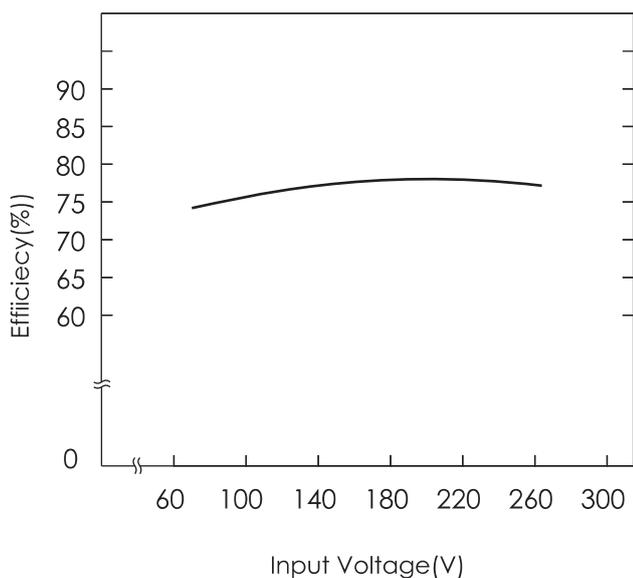
A. OVER CURRENT CHARACTERISTICS



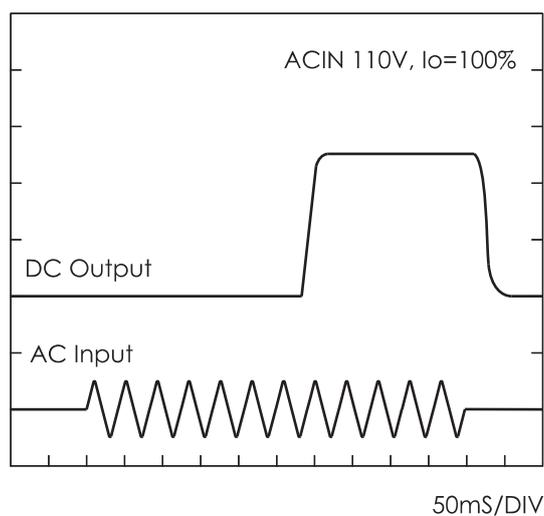
B. DERATING CHARACTERISTICS



C. EFFICIENCY CHARACTERISTICS



D. RISING/FALLING TIME CHARACTERISTICS



S.M.P.S

BRACKET

MODEL	APPLICATION	DIMENSIONS(UNIT:mm)
BRACKET-A	15S Series 30S Series 50S Series 75S Series 100S Series 150S Series 200S Series 220S Series 15D Series 30D Series 50D Series 15T Series 30T Series 50T Series	<p>Technical drawing of Bracket A. The top view shows a rectangular bracket with a total length of 70 mm and a width of 5.5 mm. It features five circular holes. The first hole is located 5 mm from the left edge. The distance between the first and second hole is 20 mm. The distance between the second and third hole is 5 mm. The distance between the third and fourth hole is 10 mm. The distance between the fourth and fifth hole is 5 mm. The fifth hole is located 20 mm from the right edge. The diameter of the first hole is $\phi 4.5$. The diameter of the other four holes is $\phi 4$. The side view shows a thickness of 1.6 mm and a total length of 70 mm.</p>
BRACKET-B	300S Series 400S Series	<p>Technical drawing of Bracket B. The top view shows a rectangular bracket with a total length of 98 mm and a width of 6.5 mm. It features five circular holes. The first hole is located 6 mm from the left edge. The distance between the first and second hole is 31.5 mm. The distance between the second and third hole is 5 mm. The distance between the third and fourth hole is 12.5 mm. The distance between the fourth and fifth hole is 5 mm. The fifth hole is located 36.5 mm from the right edge. The diameter of the first hole is $\phi 5.5$. The diameter of the other four holes is $\phi 4.2$. The side view shows a thickness of 1.6 mm and a total length of 98 mm.</p>
BRACKET-C	500S Series 600S Series 650S Series 750S Series 850S Series 1000S Series 1200S Series 1500S Series	<p>Technical drawing of Bracket C. The top view shows a rectangular bracket with a total length of 130 mm and a width of 6.5 mm. It features six circular holes. The first hole is located 6 mm from the left edge. The distance between the first and second hole is 21.5 mm. The distance between the second and third hole is 13.5 mm. The distance between the third and fourth hole is 7.5 mm. The distance between the fourth and fifth hole is 30 mm. The distance between the fifth and sixth hole is 7.5 mm. The sixth hole is located 13.5 mm from the right edge. The diameter of the first hole is $\phi 3.5$. The diameter of the other five holes is $\phi 4.5$. The side view shows a thickness of 1.6 mm and a total length of 130 mm.</p>

S.M.P.S

CERTIFICATE



of Conformity
Low Voltage Directive 73/23/EEC
as last amended by EEC Directive 93/68/EEC

Registration No.: AN 50015627 0001

Report No.: 13000810 001

Holder: Union Elecom Co., Ltd.
34-2, Samjeong-dong, Ojeong-gu
Bucheon, Gyeonggi-do 421-150
Rep. of Korea

Product: Schaltnetzteil
Switching Mode Power Supply

Identification: Type Designations : UP50S**
UP75S**
** = 05, 09, 12, 15 or 24
Serial no. : n.a. (Prototype)

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 73/23/EEC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.

Cologne, 23.07.2002



Certification Body

Dipl.-Ing. U. Röföger

TÜV Rheinland Product Safety GmbH - Am Grauen Stein - D-51105 Köln

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE