

# 750S Series



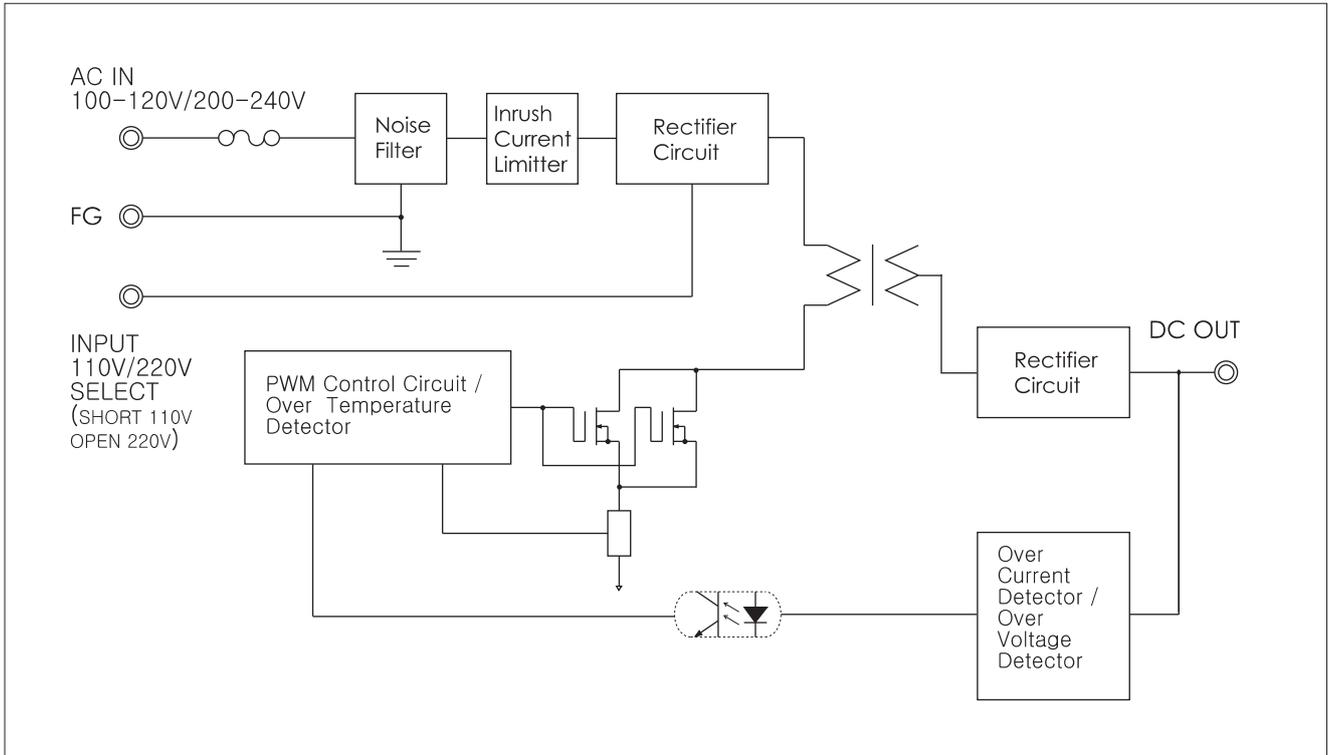
## 750W 1-Channel

- **5V150A/12V62.5A/  
24V31.2A/28V26.7A/  
36V20.8A/48V15.6A  
Output**
- **Dual Input Voltage Range  
(AC100-120V/AC200-240V)**
- **Built-in Inrush Current  
Limiter, Over Current  
Protector and Over  
Voltage Protector**
- **Built-in Over Temperature  
Protection**
- **Approved by EN 60950-1 CE**

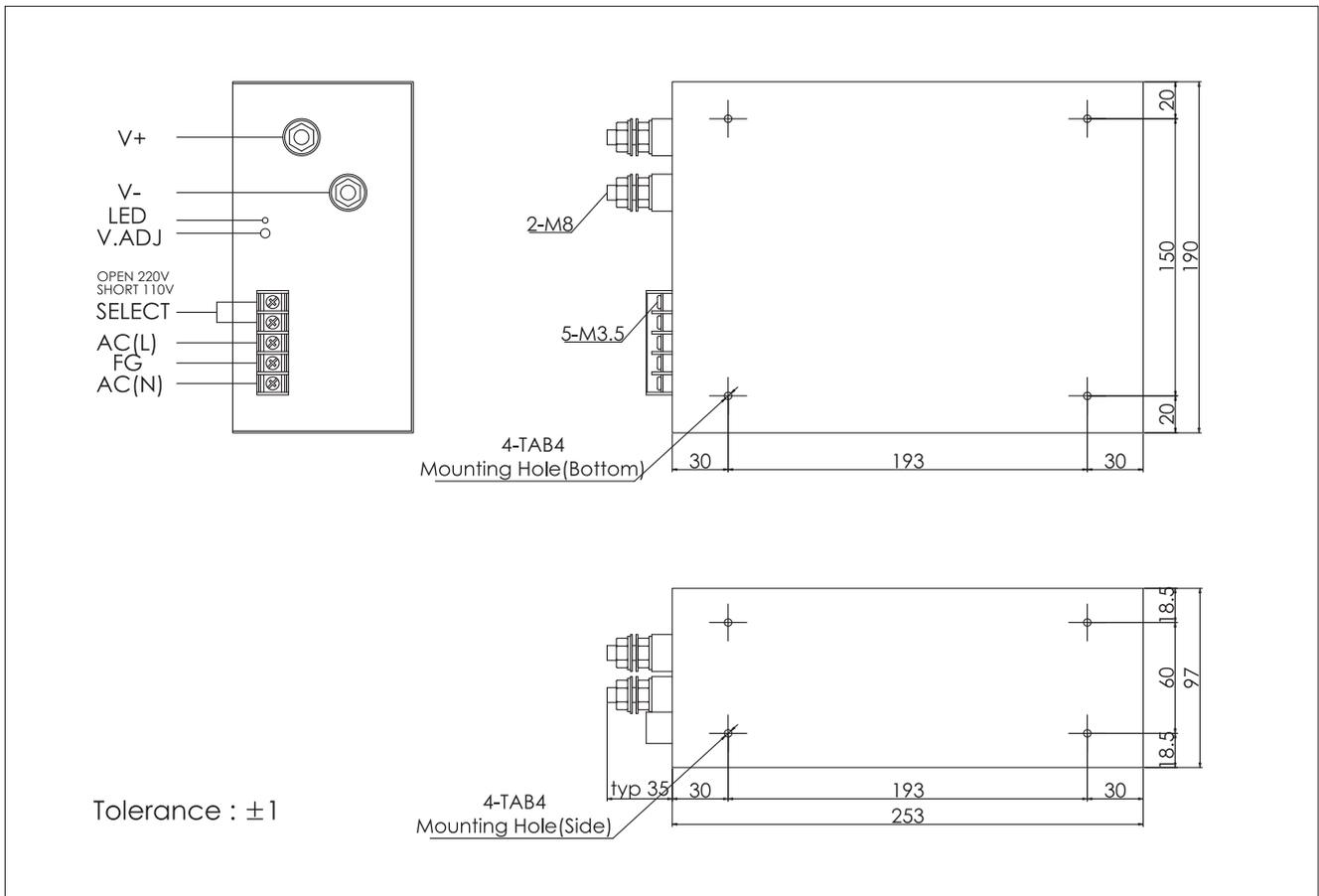
### SPECIFICATIONS

Item		UP750S05	UP750S12	UP750S24	UP750S28	UP750S36	UP750S48
INPUT	VOLTAGE	AC100~120V/200~240V				18A typ (ACIN 110V, Io=100%) 9A typ (ACIN 220V, Io=100%)	
	FREQUENCY	50/60Hz(47~63Hz)					
	EFFICIENCY	75% Typ	78% Typ	82% Typ	83% Typ	85% Typ	85% Typ
	INRUSH CURRENT	25A Typ(ACIN 110V, Io=100%)/ 50A Typ(ACIN 220V, Io=100%) at cold start					
OUTPUT	VOLTAGE [V]	<b>5</b>	<b>12</b>	<b>24</b>	<b>28</b>	<b>36</b>	<b>48</b>
	CURRENT [A]	<b>150.0</b>	<b>62.5</b>	<b>31.2</b>	<b>26.7</b>	<b>20.8</b>	<b>15.6</b>
	LINE REGULATION [mV]	25 Max	60 Max	120 Max	140 Max	180 Max	240 Max
	LOAD REGULATION [mV]	50 Max	120 Max	240 Max	280 Max	360 Max	480 Max
	RIPPLE [mVp-p]	50 Max	120 Max	240 Max	280 Max	360 Max	480 Max
	RIPPLE NOISE [mVp-p]	100 Max	170 Max	290 Max	330 Max	410 Max	530 Max
	TEMPERATURE DRIFT,0-50°C [mV]	50 Max	120 Max	240 Max	280 Max	360 Max	480 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~+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



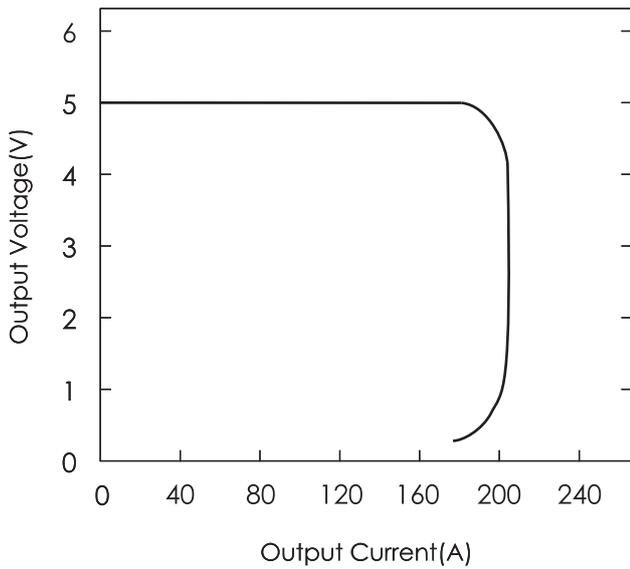
DIMENSIONS(UNITS : MM)



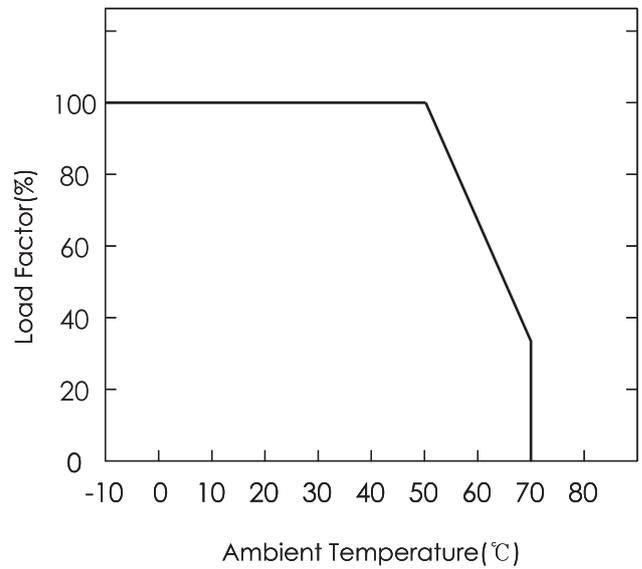
S.M.P.S

# 14. 750S Series(750S05)

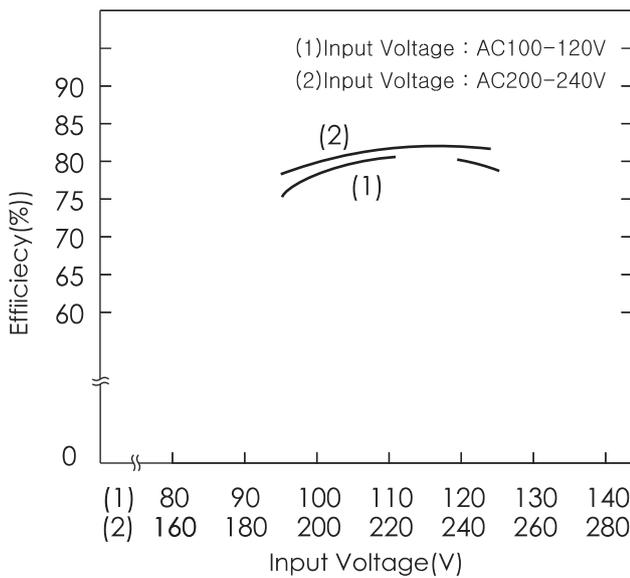
**A. OVER CURRENT CHARACTERISTICS**



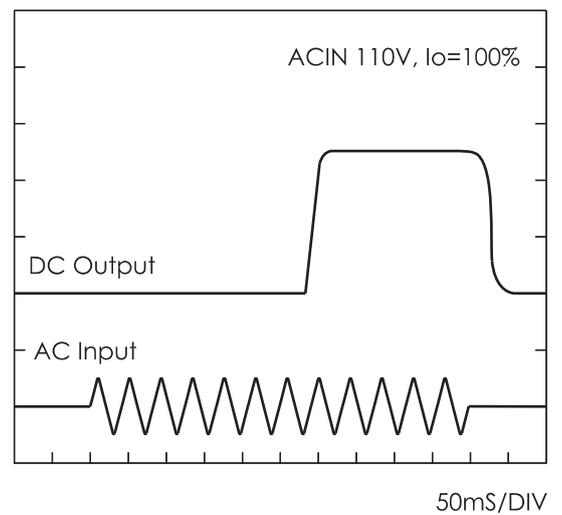
**B. DERATING CHARACTERISTICS**



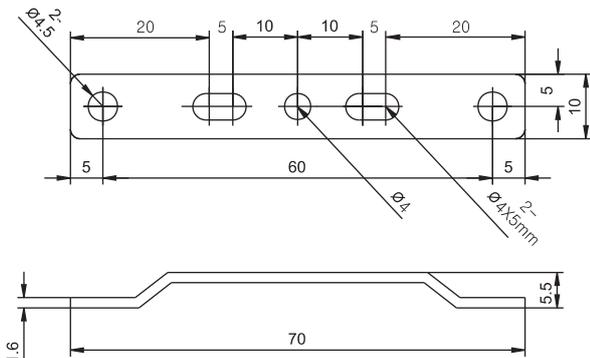
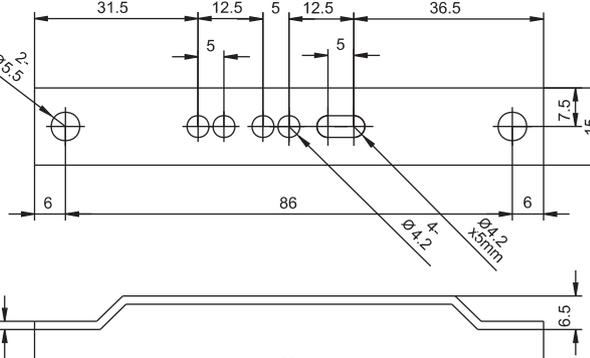
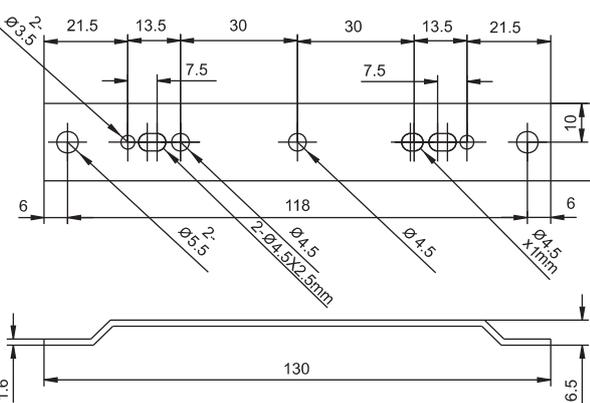
**C. EFFICIENCY CHARACTERISTICS**



**D. RISING/FALLING TIME CHARACTERISTICS**



# 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 showing top and side views. The top view shows a rectangular plate with a total width of 70 mm and a total length of 60 mm. It features five circular holes with diameters of <math>\phi 4.5</math> mm. The hole positions are defined by dimensions: 5 mm from the left edge to the first hole, 20 mm between the first and second holes, 5 mm between the second and third holes, 10 mm between the third and fourth holes, 5 mm between the fourth and fifth holes, and 20 mm from the fifth hole to the right edge. The holes are spaced 10 mm from the top and bottom edges. The side view shows a thickness of 1.6 mm and a height of 5.5 mm.</p>
BRACKET-B	300S Series 400S Series	 <p>Technical drawing of Bracket B showing top and side views. The top view shows a rectangular plate with a total width of 98 mm and a total length of 86 mm. It features five circular holes with diameters of <math>\phi 5.5</math> mm. The hole positions are defined by dimensions: 6 mm from the left edge to the first hole, 31.5 mm between the first and second holes, 5 mm between the second and third holes, 12.5 mm between the third and fourth holes, 5 mm between the fourth and fifth holes, and 36.5 mm from the fifth hole to the right edge. The holes are spaced 7.5 mm from the top and bottom edges. The side view shows a thickness of 1.6 mm and a height of 6.5 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 showing top and side views. The top view shows a rectangular plate with a total width of 130 mm and a total length of 118 mm. It features six circular holes with diameters of <math>\phi 3.5</math> mm and <math>\phi 4.5</math> mm. The hole positions are defined by dimensions: 6 mm from the left edge to the first hole, 21.5 mm between the first and second holes, 13.5 mm between the second and third holes, 30 mm between the third and fourth holes, 30 mm between the fourth and fifth holes, 13.5 mm between the fifth and sixth holes, and 21.5 mm from the sixth hole to the right edge. The holes are spaced 7.5 mm from the top and bottom edges. The side view shows a thickness of 1.6 mm and a height of 6.5 mm.</p>

S.M.P.S

# C E R T I F I C A T E



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

Registration No.: AN 50093508 0001

Report No.: 13500003 001

Holder: Union Elecom Co., Ltd.  
(Chunui Techno Park 1st 1207~1211)  
200-1m Chunui-dong, Wonmi-gu,  
Bucheon, Gyeonggi-do 420-857  
Rep. of Korea

Product: Switching Power Supply  
Switching Mode Power Supply

Identification: Type Designations: UP500S\*\* , UP600S\*\*  
UP650S\*\* , UP750S\*\* , UP850S\*\*  
\*\* = 12, 24, 36 and 48  
Serial no. : n.a. (Prototypes)

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, 03.11.2006



Certification Body

  
Dr. R. Frankenberger

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