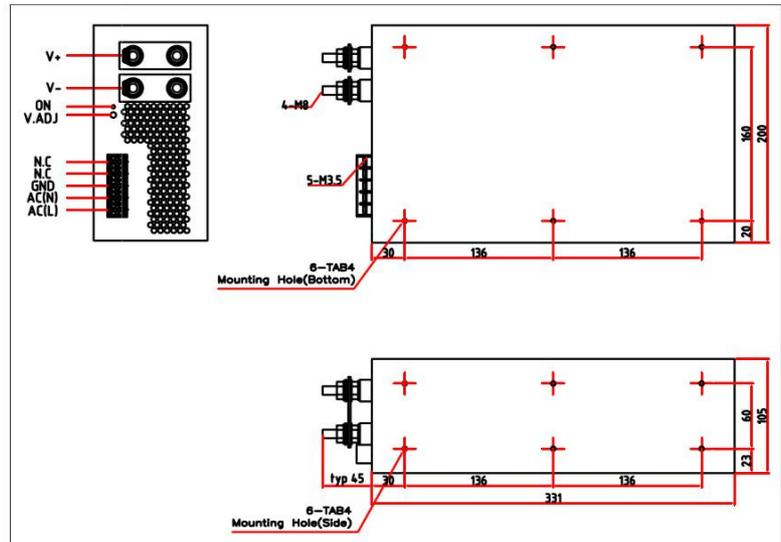


1200S Series

1200W 1-Channel

- **12V100A/24V50A/36V33.3A/48V25A Output**
- **Input Voltage AC220V only**
- **Built-in Inrush Current Limiter, Over Current Protector and Over Voltage Protector**
- **Built-in Over Temperature Protection**
- **Approved by EN60950-1 CE**



SPECIFICATIONS

Item		P1200S12	UP1200S24	UP1200S36	UP1200S48
INPUT	VOLTAGE	AC220V only 12 A typ (ACIN 220V, Io=100%)			
	FREQUENCY	50/60Hz(47~63Hz)			
	EFFICIENCY	78% Typ	82% Typ	85% Typ	85% Typ
	INRUSH CURRENT	30A Typ(ACIN 110V, Io=100%)/ 60A Typ(ACIN 220V, Io=100%) at cold start			
OUTPUT	VOLTAGE [V]	12	24	36	48
	CURRENT [A]	100.0	50.0	33.3	25.0
	LINE REGULATION [mV]	60 Max	120 Max	180 Max	240 Max
	LOAD REGULATION [mV]	20 Max	240 Max	360 Max	480 Max
	RIPPLE [mVp-p]	20 Max	240 Max	360 Max	480 Max
	RIPPLE NOISE [mVp-p]	70 Max	290 Max	410 Max	530 Max
	TEMPERATURE DRIFT,0-50°C [mV]	20 Max	240 Max	360 Max	480 Max
	RISE TIME [msec]	1,500 Max (ACIN220V,Io=100%)			
HOLDING TIME [msec]	20 Typ (ACIN220V,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			

C E R T I F I C A T E



of Conformity
Low Voltage Directive 2006/95/EC

Registration No.: AN 50124270 0001

Report No.: 13500059 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: UP1500S**, UP1200S**, UP1000S**
(** = 24, 36 or 48)
UP1000S12

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 2006/95/EC, 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.

Certification Body

A handwritten signature in blue ink, appearing to be 'Dr. R. Frankenberger', written over a horizontal line.

Dr. R. Frankenberger

Cologne, 04.02.2008

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

Union Elecom Co., Ltd.
Mr. Jeong-Joon Seo, General Manager
R&D
(Chunui Techno Park 1st 1207~1211)
200-1m Chunui-dong, Wonmi-gu,
Bucheon, Gyeonggi-do 420-857
Rep. of Korea

Date : 05.02.2008
Our ref. : CWH ZKR1
Your ref.: CWH-133017635
Customer no.: 337777

Ref : AN Certificate of Conf. Low Voltage D.

Type of Equipment : Switching Mode Power Supply
Model Designation : See Certificate
Certificate No. : AN 50124270 0001
Report No. : 13500059 001

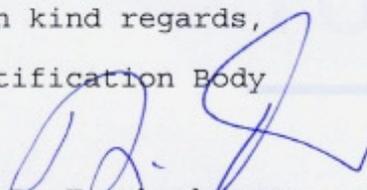
Dear Mr. Jeong-Joon Seo,

Please find enclosed your Certificate of Conformity.

We appreciate your support and would like to offer our assistance in the approval of your future products through our extensive range of technical services. Please feel free to contact us whatever your requirements may be.

With kind regards,

Certification Body


Dr. R. Frankenberger

Enclosure