SPECIFICATION

REDUNDANT POWER SUPPLY

HOT-SWAPPABLE

BPS-370RDX 6-OUTPUT

370W+370W

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1.0 General

This specification describes the physical, functional and electrical characteristics of

a redundancy 370+370 watt, 6-output, fan-cooled switching power supply.

1.1 Parameter Specifications

Unless specified otherwise, all parameters must be not over the limits of temperature, load and input voltage.

2.0 Input Characteristics

2.1 Input Voltage

Normal	Minimum	Maximum
115 VAC	90 VAC	132 VAC
230 VAC	180 VAC	264 VAC

Input voltage range set with a 115/230 VAC selector.

2.2 Input Waveform

The unit is capable of operating with a 10% distorted sinewave input as measured by a distortion analyzer. Its flattopping clipped 10% from the peak value of standard sinewave.

2.3 Input Frequency

47 Hz to 63 Hz

2.4 Input current

Input Power	570W
Vin: 115VAC	8 A
Vin: 230VAC	4 A

2.5 In-Rush Current

CONDITIONS

132/264VAC, Full load.
Turn off 1 sec; turn on at peak of input voltage cycle.
25°C Air Ambient cold start.

LIMITS

No damage shall occur or components over stressed, input fuse shall not blow.

2.6 Line Regulation

LIMITS

Full load,

+/1%

90/180 - 132/264 VAC input

2.7 Input Leakage Current

Input leakage current from line to ground will be less than 3.5 mA rms. Measurement will be made at 240 VAC and 60Hz.

2.8 Isolation (Hi-pot)

1500VRMS, 50Hz, for one (1) minute between each input AC line and the grounding conductor.

3000VRMS, 50Hz, for one (1) Minute between the input AC lines and secondary low voltage outputs and shields.

All isolation transformers will have been tested prior to assembly into a power supply unit. Any such transformers without a grounded shield will be tested to 3750 VRMS.

3.0 Output Characteristics

3.1 DC Output Characteristics

To be met under all combinations of loading.

Output	V1	V2	V3	V4	V5	5VSB
Voltage	+5V	3.3V	+12V	-5V	-12V	Standby
Max. Load	40A	20A	25A	0.5A	0.5A	2A
Min. Load	0A	0A	1 A	0A	0A	0A
Max. Power	250	W		2.5W	6W	7.5W
		355W				
Load Reg. %	+/-5%	+5/-3%	+/-5%	+/-10%	+/-10%	+/-5%
Cross Reg. %	+/-5%	+5/-3%	+/-5%	+/-10%	+/-10%	+/-5%
Line Reg.	+/-1% +/-1%		+/-1%	+/-1%	+/-1%	+/-1%
%						
Ripple %	+/-1%	+/-1%	+/-1%	+/-2%	+/-2%	+/-1%
Noise %	+/-1%	+/-1%	+/-1%	+/-2%	+/-2%	+/-1%

<u>Note 1</u>: The +12 Volt output of the power supply must be capable of 28 Amps peak for 10 seconds. A +/-5% tolerance is permissible. Output voltage is measured at the load and of the output cable.

Note 2: Noise bandwidth is from DC to 20 MHz.

Note 3: Regulation tolerance shall include temperature change, warm up drift and

dynamic load.

3.2 Overshoot

Any output overshoot at TURN-ON shall not exceed 5% (+5V/+12V/+3.3V outputs) and 10% (-5V/-12V outputs) of nominal voltage value.

3.3 Efficiency

70% min. at full load test.

4.0 Time Sequence

4.1 Hold-Up Time

Unit shall continue to supply regulated DC outputs and power good signal for at least 20 milliseconds at 115/230 VAC full load after a loss of AC input voltage, which shall be represented by a short circuit at the AC input.

4.2 Power Good Signal

When the power supply is turned off for a minimum of 1.0 second and turned on, the power-good signal as described below will be generated. The power supply shall provide a power-good signal to indicate proper operation of the power supply. This signal shall be a TTL compatible high level for normal operation; low level for fault conditions. Power-good shall go to a low level at least 1 ms before the +5V output voltage falls below the regulation limits described in 3.1 DC output Characteristics. The operation point used as a reference for measuring the 1ms shall be minimum line voltage and maximum load.

All waveform transitions shall be smooth and monotony, i.e. no oscillations. The power-good signal shall stay low (during POWER-ON) until all output voltages are stable within regulation limits. The power-good signal shall have a TURN-ON delay greater than 100 ms but less than 500 ms.

4.2.1 Fan out

Power Good output circuit shall consist of an active pull down component and a passive pull up resistor. Power-Good output voltage to be met under recommended loading conditions.

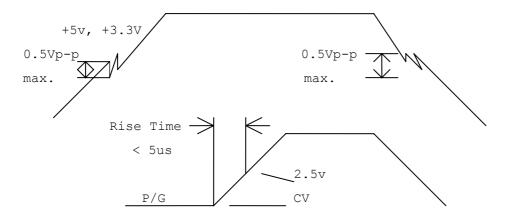
CONDITIONS LIMITS

Ioh=-140uA Min. Voh=2.7V Min. Iol=2.8mA Min. Vol=0.4V Min.

4.3 +5 V & +3.3V and Power Good Outputs Rise Time

4.3.1 +5 V & +3.3V Output Rise Time

The +5 Volt and +3.3 Volt output shall have a turn-on rise time of less than 100ms under all load conditions. Rise time is measured between 0.0 and 2.48/4.75 volts. The +5 V and +3.3V output shall not vary from a smooth curve by more than 0.5 VP-P during turn-on and turn-off.



4.4 Start-up timing

All outputs shall be stable and in regulation in less then 2.0 second under all load and line conditions. Start-up time is measured between the AC turn-on and 4.75 volts on +5v output.

4.5 **Dynamic Load Response Time**

Transient response is measured by switching the output load from 80 to 100 to 80 percent of its full value at a frequency of 100 Hz and 50% duty cycle, step load change is 0.5A/us, The magnitude Vr is less than +/- 5% of +5V and +12V outputs, the recovery time Tr is less than 1ms.

5.0 Protection

5.1 Over Power Protection

This power supply shut down all DC outputs when +5 Vdc and +12 Vdc outputs are overloaded to the limit. The power supply logic shall latch into the off state requiring a power on cycle to be performed by the operator. The power supply will turn-off within 20 ms of the occurrence of the overload. The -5 Vdc and -12 Vdc outputs will be internally current limited.

CONDITIONS

LIMIT

90/180 VAC input

When output power is over to 120%

5.2 Over Voltage Protection

The power supply shall latch off if the +5 VDC or 3.3VDC or +12 VDC maximum voltage exceeds the limits shown. The AC must be recycled to restart.

+5 VDC

<u>CONDITIONS</u> <u>LIMITS</u>

All operating 6.25 VDC +/- 0.65 VDC

+3.3 VDC

<u>CONDITIONS</u> <u>LIMITS</u>

All operating 4.10 VDC +/- 0.40 VDC

+12 VDC

<u>CONDITIONS</u> <u>LIMITS</u>

All operating 13.6 - 15.6 VDC

5.3 Short Circuit Protection

A short circuit placed on any output shall cause no damage to this unit.

5.4 No Load Operation

When primary power is applied, with no load on any output voltage, no damage or hazardous conditions shall occur. In such a case, the power supply shall power up and stabilize. However, minimum load required 3A for +5V and 1A for +12V.

5.5 5VSB (Standby)

The 5VSB output is always on (+5V Standby) when AC power is applied and power switch is turned on. The 5VSB line is capable of delivering at a maximum of 5A for PC board circuit to operate.

5.6 PS-ON (Remote ON/OFF)

PS-ON is an active low signal that turns on the entire main power rail including 3.3V, 5V, -5V, 12V & -12V power rails. When this signal is held by the PC board or left open circuited, outputs of the power rails should not deliver current and should be held at a zero potential with respect to ground. Power should only be delivered to the rails if PS-ON signal is held at ground potential. This signal should be held at +5VDC by a pull-up resistor internal to the power supply.

Power On	P1-PIN #14 PS-ON	Power Switch	P1-PIN #14 PS-ON
ON	L	ON	IN
OFF	Н	ON	IN
OFF	X	ON	OUT
OFF	X	OFF	X

5.7 3.3V Sense

A remote 3.3V sense line can be added to the P1 connector Pin2 to allow for accurate control of the 3.3VDC line directly at motherboard loads. Due to potential voltage drops across the connector and traces leading to the motherboard components, it may be advantageous to implement a 3.3V sense line that remotely monitors the 3.3VDC power level at the load on the motherboard.

6.0 System Interface Signal

6.1 Power System Fault Signal

The Hot-Swap Redundant Power Supply shall give fault signal (an open collector output) that will indicate the status of the power supply operation. If one of the power supply unit shut down, the power fault signal could be generated. This signal shall be high level for normal operation; Low level for fault conditions.

6.2 Alarm Beeping Sound

The alarm system monitors the power supply failure and provides alarm to indicate the status of the power system. By checking the LED on the power supply, end users will be able to locate the defective power unit. The alarm system will give a beeping sound to indicate the power supply failure until that particular power unit is replaced. Beeping sound could be suspended before the failure power supply unit replaced by pressing the Alarm Switch.

7.0 Physical Characteristics

7.1 Size

150*86*175mm

7.2 Mounting Requirements

See Figure 6

7.3 Weight

3 Kg

7.4 Cooling

Fans: SUNON (KD1208 PTB1-6A), equivalent or better. Airflow from the power supply should be in exhaust direction and shall be rated at 42.5 cfm minimum.

8.0 Connections

8.1 DC Output Wire List

☞For ATX Mother Board

Connector	<u>Output</u>	Wire Color	Wire Size
ATX 20PIN			
P1-1	+3.3V	BRN	16 AWG
P1-2	+3.3V	BRN	16 AWG
P1-3	GND	BLK	18 AWG
P1-4	+5V	RED	18 AWG
P1-5	GND	BLK	18 AWG
P1-6	+5V	RED	18 AWG
P1-7	GND	BLK	18 AWG
P1-8	PW-OK	ORG	18 AWG
P1-9	5VSB	PURPLE	18 AWG
P1-10	+12V	YEL	18 AWG
P1-11	+3.3V	BRN	16 AWG
P1-12	-12V	BLUE	18 AWG
P1-13	GND	BLK	18 AWG
P1-14	PS-ON	GRN	18 AWG
P1-15	GND	BLK	18 AWG
P1-16	GND	BLK	18 AWG
P1-17	GND	BLK	18 AWG
P1-18	-5V	WHT	18 AWG
P1-19	+5V	RED	18 AWG
P1-20	+5V	RED	18 AWG
4PIN FOR P4			
P1-1	GND	BLK	18 AWG
P1-2	GND	BLK	18 AWG
P1-3	+12V	YEL	18 AWG
P1-4	+12V	YEL	18 AWG
117	1 1 2 V	TEE	1071WG
P11 · P12			
P11-1	+5V	RED	22 AWG
P11-2	COM	BLK	22 AWG
P11-3	COM	BLK	22 AWG
P11-4	+12V	YEL	22 AWG
P13 · P14			
Pn-1	+12V	YEL	18 AWG
Pn-2	COM	BLK	18 AWG
Pn-3	COM	BLK	18 AWG
Pn-4	+5V	RED	18 AWG
P15 · P16			
Pn-1	+12V	YEL	18 AWG

Pn-2	COM	BLK	18 AWG
Pn-3	COM	BLK	18 AWG
Pn-4	+5V	RED	18 AWG

P17 · P18			
Pn-1	+12V	YEL	18 AWG
Pn-2	COM	BLK	18 AWG
Pn-3	COM	BLK	18 AWG
Pn-4	+5V	RED	18 AWG

8.2 AC Input

IEC 320 power inlet with EMI filter.

9.0 Environmental

9.1 Temperature

9.1.1 Operating

50 to 122 °F (0 to 50 °C). Derate Linearly to 50% at 70 °C

9.1.2 Non-Operating

-4.0 to 140 °F (-20 to 60°C)

9.2 Relative Humidity

9.2.1 Operating

20 to 90 % non-condensing at 104°F (40 °C).

9.2.2 Non-Operating

5 to 95 % non-condensing at 122°F (50°C).

9.3 Altitude

9.3.1 Operating

Sea level to 10,000 feet.

9.3.2 Non-Operating

Sea level to 40,000 feet.

9.4 Shock

9.4.1 Operating

The power supply shall exhibit no sings of damage or degradation of performance when subjected to a shock of 5g's for 11 ms, with a 1/2 sine wave for each of the perpendicular axes X, Y and Z.

9.4.2 Non-Operating

The power supply shall exhibit no sings of damage or degradation of performance when subjected to a shock of 30g's for 11 ms, with a 1/2 sine wave for each of the perpendicular axes X, Y and Z.

9.5 Vibration

9.5.1 Operating

The power supply shall be subjected to a vibration test consisting of a 10 to 500 Hz sweep at a constant acceleration of 0.5g for duration of one (1) hour for each of the perpendicular axes X, Y and Z. The output voltages shall remain within specification.

9.5.2 Non-Operating

The power supply shall be subjected to a vibration test consisting of a 10 to 300 Hz sweep at a constant acceleration of 2.0g for duration of one (1) hour for each of the perpendicular axes X, Y and Z. The power supply shall not incur physical damage or degradation of any characteristics below the performance specifications.

9.6 Power Line Transient

9.6.1 Drop Out

With a full cycle input voltage dropout at 50Hz, the unit shall operate within the prescribed voltages with a dropout cycle repetition rate of 500ms.

CONDITIONS LIMITS

Full load, Nom. Input AC Voltage Meet all requirements

9.6.2 Transient Voltage Spikes

The unit shall meet the following standards, The IEEE Standard 587-1980 for surge withstand capability under categories A and B. The crest value of the first half peak of the injected Ring wave (0.5/10us) and Bi-wave (1.2/50us) will be 3K volts open circuit and 3KA (8usx20us) short circuit.

IEC 801-2 (ESD) to a level of 8KV contact, and 15K air discharge without causing

the device(s) to fail the test.

IEC 801-4 (EFT) on the power lines and all I/O cables to a level of 2.5KV without causing the Device(s) to fail the test.

IEC 801-5 Surge immunity measurement on the input power source of 2.5KV. All output shall be stable and in regulation.

9.7 Acoustic Noise

The power supply shall be tested in accordance with the ANSIS12.10-1985 standard specifications. The "A" weighted overall sound pressure level as well as individual octave band levels from 63 Hz to 16,000 Hz is measured with the noise meter placed 1 meter from the nearest vertical surface of center of fan installed in power supply.

CONDITIONS

LIMITS

115 VAC Input, full load of +5V Acc 0.5A of +12V.

Acoustic noise is 40 db maximum

	A-Weighted							
125	250	500	1k	2k	4k	8k	16k	Max. Sum
20	36	42	42	42	36	30	20	40dBA

10.0 Regulatory Agency Certification

10.1 RFI/EMI Standards

The power supply, when installed in system, shall MEETS with the following radiated and conducted emissions standards:

- a) FCC part 15, Subpart A, Class A computing devices.
- b) CISPR22 (EN55022) Class A.
- c) VCCI Class 2.

These limits shall be met with a margin of at less 6dB at all applicable frequencies. The unit shall comply with the above limits when tested under all normal working conditions and with all interface cables connected.

10.2 Safety Standards

The power supply shall be certified with the following safety standards,

- a) UL 1950 (Information Processing/Business equipment).
- b) CSA C22.2, NO. 234-M90 level 6 (Safety of component, power supplies) or CSA C22.2, NO. 950-M89.
- c) TUV Certification to IEC 950 lst edition with Amendment #1, #2, and EN60950
- d) CB Certificate & Test report deviation for the Nordic countries.

e) CE Certificate & Test report.

11.0 Reliability

11.1 Mean Time Between failures (MTBF)

Using MIL217E the calculated MTBF = 100,000 hours at 25°C

11.2 Warranty

Two (2) years manufacture's warranty

Date code indicating week and year of manufacture.

Northbrook, Illinois • (847) 272 8800
Melville: New York • (631) 271 6200
Santa Clara, California • (408) 885–2400
Rasearch Triangle Park,
North Carolina • (819) 549–1400
Camas, Washington • (360) 817–5500



BEST POWER SOLUTIONS INC MR A LIU 9TH FL 196-7 TATUNG RD, SEC 3 HSI CHIH 221 TAIPEI HSIEN TAIWAN

RE: Project Number(s) - 00NK45963

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For information on placing an order for UL Listing Cards in a 3 x 5 inch format, please refer to the enclosed ordering information.

QQGQ8 March 1, 2001
Power Supplies, Information Technology Equipment Including Electrical Business Equipment Certified for Canada - Component

BEST POWER SOLUTIONS INC 9TH FL 196-7 TATUNG RD, SEC 3 HSI CHIH 221, TAIPEI HSIEN TAIWAN

E173757

	Rated	Input			Output						
Model No.	v	Hz	SC	Max V	Max A	Max VA	OC	SP	EP	FC	CC
BPS-230MA1,	115/230	60/50	0	+5.4	F41	216	3	950	20B	-0	1
ORION-230MA1,				+12.9	42	312					
ERM-230MA1				+3.3	.52	94					
				-5.3	5.2	94 .8					
				-12.4	4	30					
				+5Vsb*	1.52						
BPS-250AX	120-240	50-50	0	-12	.5		2	950	20B	tt	1
				5	0.7						
				5 -5	.5						
				12 3.3	10	-					
				3.3	15						
				5	25						
BPS-250DC	48	đe	6	-10.7	6.0	61.2	3	950	10	0	(0)
				4.34	37.9	164.48					
				-3.33	7.0	23.31					
				11.46	19.5	223.4					
BPS-250DX	48	de	ь	-10.7	6.0	61.2	3	950	10	0	đ
				4.88	0.11	0.536					
				-3.33	7.0	23.31					
				11.46	19.5	223.4					
				2.98	23	68.54					
				4.74	37,9	164,48					
BPS-250MA2,	115/230	60/50	0	+5*	30*		3	950	208	0	1
ORION-250MAZ,				+12*	14"		200		2000	3.3	
FRM-250MA2				+3.3*	15*						
				-5*	0.5*						

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	Rated	Input			Output						
Model No.	v	Hz	SC	Max V	Max A	Max VA	oc	SP	EP	FC	GC
				-12*	1*	22					
Telephone Control of	6392.50250	225705	17/201	+5Vsb*	1.5*	0000	100				
BPS-250KL)	115/230	50-60	a	5.7	42.5	180	2	950	20B	D	0
				-5.3	24.5	237					
				-13	10.5 5.0	16.2 60					
BPS-250RDA,	120-240	50-60	a	5.7	42.5	180	2	950	20B	0	5907
BPS-250RDA1	120 230	SULDIC		13	24.5	237	12	930	2061	9	0
604161.2317254841054				-53	10.5	16.2					
				-13	5.0	60					
BPS-250RDDX,	48	de	3	5.29	61.40	132.00	3	950	20	0	1
				4.96	32.50	76.57			Adc		
				12.36	34.00	261.46					
				-4.88	8.74	18.56					
				-10.05	2.25	9.05					
BPS-400SP	DANK VANAV	an Isto	1776637	5.17	2.00	9.42					
ORION-400SP	115/230	60/50	0	6.33	64.0	276	3	950	2CB	0	1
BPS-40052				13.7 3.36	52.0 50.0	547 107					
ORION-400SZ				-5.76	12	29					
EG400S-V				-14.58	8.9	82					
				5.3	2.5	11.3					
BPS-300S2	115/230	60/50	0	6.33	64.0	276	3	950	2018	a	\mathcal{I}
ORION-30062				13.7	52.0	547					95
BPS-3005				3.36	60.0	107					
ORION-300S				-5.76	12	28					
				-14.58	8.9	82					
BPS-2505	447 (220	Anna Village	1000	53	25	11.3		550	35.0		
ORION-2508	115/230	60/50	11	63	45.0	193	3	950	20B	D	(3)
EC2505-V				13.1 3.4	35.0 53.0	364 120					
\$1-250				-5.3	12.4	28					
ORION-2005				5.4	32	13.6					
51-200				5.4	3.2	13.6					
BPS-250RDX,	115/230	50-60	0	5.3	48	165	2	950	2003	0	0
BPS-27DRDX				12.9	23.5	183					
				5.1.	2.5	12					
				(Vsb)	2572	022007					
				3.4	30.5	78					
				-5.4 -12.5	7	22 40					
BPS-270A	120-240	50-60	0	-12	5	40	2	950	20B	0	1
		- 212/1/10	180	3	0.1	2.2		230	200	12.	
				12	10	-					
				5	.30						
BPS-270RD(a)	T15/230	50/60	0	5	25	_	2	950	20B	G	0
				12	10	_					
				-5	0.5						
\$50,000 000 000 000 000 000 000 000 000 0	GSEPHONE I	5/22/03/71		-12	0.5	-					
BPS-270RD	115/230	50-60	O	5.6	48	192	2	950	20B	0	a
				12.6	21	195.3					
				-5.1 12.6	10.5	19.8					
BPS-270RDA	120-240	50-60	0	5.6	6.5	59.2	60	2000	con	1000	16
and the second second	14174000	- CAC 100	347	12.6	48 21	192	2	950	20B	0	D.
				-5.1	10.5	19.8					
				12.6	6.5	59.2					
BPS-300A	120-240	50.60	0	-12	.5		2	950	2018	n	1
				-5	. 5	35.	37	2-32600	37 (2)	1.750	28
				12	12	-					
(2:20.0)				5	.30	-					
BPS-XXUAX	120 240	50-60	30	-12.03	5.6	58.9	2	950	20B	0	1

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	Rated Input				Output						
Model No.	v	Hz	SC	Max V	Max A	Max VA	OC	SP	Fh	FC	CC
				5.12	2.5	8.16					
				-504	4.6	19.96					
				12.03	20.2	233.9					
				3.2	23.8	71.6					
				4.88	40.	188					
BIS-300EC	48	di	6	-10.7	6.5	61.2	3	950	10	0	0
				-3.33	7.0	23.31					
				11.46	11	223.4					
				4.34	3()	164.48					
HIS-300DX	48	de	6	-10.7	5.5	61.2	3	95U	10	0	0:
				4.88	0.11	0.536					
				-3.33	7.0	23.31					
				11.46	19.5	223.4					
				2.98	23	68.54					
				434	37.9	164.48					
BPS-300MA2,	115/230	60/50	0	+5*	301*		3	950	208	0	1.
ORION-300MA2,				+12*	14*						
ERM-300MA2				-3.3*	15*	-					
				-5*	0.5*						
				-124	1*	-					
				+5Vsb*	1.5*						
BPS-300MA3,	115/230	60/50	D	+5.6	49	199	3	950	20B	O	1
ORION-300MA3, ERM-300MA3 BPS-320A				+13.2	44	320					
				13.6	48	75					
				+5.4	7	11					
				+13.1	5.3	35					
	92328	180000		+6.9Vsb	3	13					
	120-240	50-60	92	-12	.5		2	950	200	0	1
				-5	-5						
				12	14	-					
	250 520	to se		5	30	342321	100				
BIS-320AX	120-240	50-60	0	-12	5.6	58.9	2	950	2013	0	1
				5	2.5	8.16					
				-5	4.6	19.96					
				12	20.2	233.9					
				3.3	23.8	71.6					
BPS-320/2,	115/230	60/50	0.	5	40	168	roes in		Caccina-	20000	200
BPS-321/ZA	110/200	nu/ ou	U.	5.09	44.6 34.5	205	3	950	20B	2,6	1
				3.45	38.2	267					
				5.00		71.9					
					5.2	1.3.4					
				13.11 5.69	2.3	18.3					
BPS-370RDX,	115/230	60/50			2.5	10.3		050	-20Po	0000	11460
-320RLIX	1137 230	00/30		54 134	135 73	760 720	3	950	20B	2,6	0
				34	80	106					
				51	1.7	5.1					
				12.7	1.9	18					
				5.4	5.5	23					

(a)Represents rated values. *Rated value.

Marking: Company name or model designation and Recognized Component Mark for Canada, : 🔊 .

See General Information Preceding These Recognitions
For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Certificate



No: B 01 01 28112 010

Best Power Solutions Inc.

9F,No.196-7,Sec.3,Ta-Tung Rd., Shi-Chih, Taipei Hsien Taiwan, R.O.C.

with production facility(ies) 28112

is authorized to label the following products with the certification mark E as shown in the certification mark list. See also notes overleaf.

Product:

Netzgeräte

(Redundant Power Supply)

Model:

BPS-370RDX, BPS-320RDX

Parameters:

Rated input voltage:

115/230 Vac

Rated input current:

8/4 A

Rated frequency:

60/50 Hz

Rated output:

Protection class:

See attachment

Max. ambient temperature:

Degree of protection against ingress of liquids: ordinary

Remark: When installing, all requirements of below mentioned test standards must be fulfilled.

The product meets the relevant safety requirements and was tested according to:

EN 60950/A11:1997

Report No: 61210100401

Released with the above certificate number by the certification body of TÜV PRODUCT SERVICE GMBH.

Department:

TPEITE / Blsw

01-04-2001 Date:



TÜV PRODUCT SERVICE GMBH · Zertifizierstelle · Ridlerstrasse 65 · D-80339 München

INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC) COMMISSION ELECTROTECHNIQUE

INTERNATIONALE (CEI)

IEC SYSTEM FOR CONFORMITY TESTING TO STANDARDS FOR SAFETY OF ELECTRICAL EQUIPMENT (IECEE) **CB SCHEME**

NO 10536

Ref. Certif. No.

SYSTEME CEI D'ESSAIS DE CONFORMITE AUX NORMES DE SECURITE DE L'EQUIPMENT ELECTRIQUE (IECEE) METHODE OC

CB TEST CERTIFICATE CERTIFICATE D'ESSAI OC

Product Produit

Name and address of the applicant Nom et adresse du demandeur

Name and address of the manufacturer Nom et adresse du fabricant

Name and address of the factory Nom et adresse de l'usine

Rating and principal characteristics Valeurs nominales et caractéristiques principales

Trade mark (if any) Marque de fabrique (si elle existe)

Model/type Ref. Ref. de type

Additional information (if necessary) Information complémentaire (si necessaire)

A sample of the product was tested and found to be in conformity with

Un échantillééon de ce produit a été essayé et a été considere conforme à la

as shown in the Test Report Ref. No. which forms part of this certificate comme indiqué dans le Rapport d'essais numéro de référance

qui constitute un partie de ce certificat

Redundant power supply for building in

Best Power Solution Inc., 9F, No. 196-7, Sec. 3, Ta-Tung Rd., Shi Chih, Taipei Hsien, Taiwan

Best Power Solution Inc., 9F, No. 196-7, Sec. 3, Ta-Tung Rd., Shi Chih, Taipei Hsien, Talwan

See page 2

8/4A 115/230V 60/50Hz, Cl. I. DC-outputs: See page 2

BPS

BPS-...RDX

"..." can be 370 or 320 denoting output power

IEC 60950 2nd Edition, 1991 + Amd. 1, 1992 + Amd. 2, 1993 + Amd. 3, 1995 + Amd. 4, 1996

2000 44171

This CB Test Certificate is issued by the National Certification Body Ce Certificate d'essai OC est établi par l'Organisme National de Certification

Nemko

P.O. BOX 73, BLINDERN N-0314 OSLO, NORWAY

Date

14 November 2000

Signature

2001 Lars Hjerpseth Principal Engineer

Issue 1993-06 / N - version

