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1.0 INPUT:**1.1 VOLTAGE**

RANGE	MINIMUM	NOMINAL	MAXIMUM	UNITS
1	104	115	122	Vrms
2	207	230	244	Vrms

1.2 FREQUENCY

47Hz ~ 63Hz

1.3 CURRENT

115Vac/5A max , 230Vac/3A max.

1.4 INRUSH CURRENT115Vac/30A(max.),230Vac/60A at 25⁰C cold start.**1.5 POWER EFFICIENCY**

68% (min.) at full. load, 115Vac input.

1.6 LEAKAGE CURRENT

3.5mA max.

2.0 OUTPUT:

Voltage	+5V	+12V	+3.3V	-12V	+5Vsb
* ① Max load	13.0A	15.0A	17.0A	0.3A	2.0A
Min load	0.3A	1A	0.5A	0.0A	0.0A
Peak load	--	17.0A	--	--	2.5A
* ③ Regulation	±5%	±5%	±5%	±10%	±5%
* ② Ripple	50mV	120mV	50mV	100mV	50mV
* ② Ripple & Noise	100mV	150mV	100mV	150mV	100mV

* ① The continuous total output power is 220W max.

The combined power of +5V and +3.3V is 80W max.

Peak currents may last up to 17 seconds with not more than one occurrence per minute

* ② Add 0.1uF and 10uF capacitors across output terminal during ripple & noise test.

* ③ LOAD REGULATION TEST TABLE:

	+5V	+12V	+3.3V	-12V	+5Vsb
LOAD1	13	10.53	4.54	0.3	2
LOAD2	4.78	10.53	17	0.3	2
LOAD3	2	15	5	0.3	2
LOAD4	13	2	0.5	0	0
LOAD5	2	15	0.5	0	0
LOAD6	0.3	1	17	0	0
LOAD7	6	7	8	0.1	1
LOAD8	0.3	1	0.5	0	0

2.1 REMOTE ON/OFF

TTL High/PS-OFF; TTL Low/PS-ON

$V_{IL}=0.8V_{max}$, $I_{IL}=-1.6mA_{max}$ @ $V_{in}=0.4V$

$V_{IH}=2.0V_{min}$ @ $I_{in}=-200\mu A$, $V_{IH}=5.25V_{max}$ @ open ckt.

2.2 HOLD-UP TIME

16msec (minimum) at full load, at 115AC input.

2.3 POWER GOOD DELAY

100-500 msec.

2.4 POWER FAIL DELAY

>1 msec.

2.5 TURN-ON DELAY TIME

2000 msec max. At Nominal Line Full Load.

2.6 TRANSIENT OVERSHOOT

10% max with 20% load change.

2.7 RISE TIME

100ms max at full load.

3.0 PROTECTION:

If the power supply protection latch off all main outputs. (when OPP, OVP or short protection is working). Reset by cycling remote on/off control or AC power.

+5Vsb is recovery.

3.1 OVER POWER PROTECTION

Foldback at 110%~150% over peak load

3.2 OVER VOLTAGE PROTECTION

+3.3V output 4.5Vmax.

+5.0V output 7.0Vmax.

+12.0V output 15.6Vmax.

3.3 SHORT PROTECTION

All output to GND.

4.0 ENVIRONMENT:

4.1 OPERATING TEMP. 0 °C to +50 °C

4.2 STORAGE TEMP. -20 °C to +70 °C

4.3 OPERATING HUMIDITY 20% to 90%,non-condensing

4.4 STORAGE HUMIDITY 5% to 95%, non-condensing

4.5 OPERATING ALTITUDE 0 to 10,000 feet

4.6 STORAGE ALTITUDE 0 to 50,000 feet

5.0 HI-POT:(Input/Output isolation)

5.1 PRIMARY TO SECONDARY

3535Vdc for 1 minute

5.2 INSULATION RESISTANCE

Primary to earth ground 500Vdc , 50M ohms Min.

6.0 CE REQUIREMENTS

6.1 CONDUCTED EMI

1. FCC : Class B

2. CISPR 22 : Class B

3. VCCI : Class 2

6.2 SAFETY STANDARDS

- 1.UL / CUL (**UL 60950**)
- 2.TUV EN60950
3. CB (IEC 950)
- 4.CCC
- 5.BSMI

7.0 MTBFat 25°C(demonstrated)

100KHrs minimum

8.0 DIMENSIONS

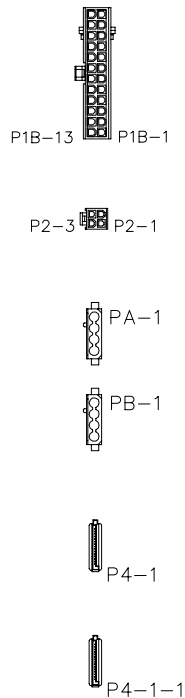
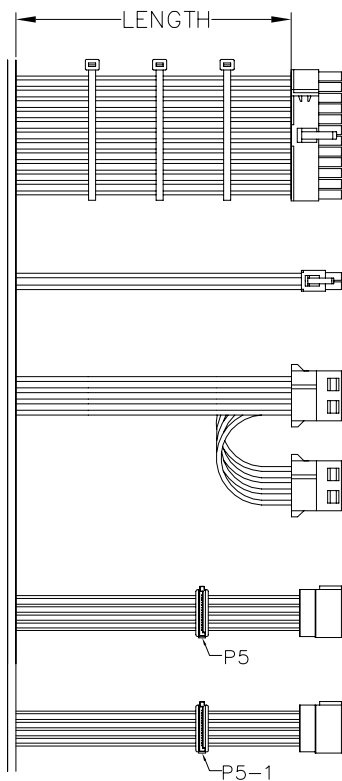
MODEL : PSF220y

y FOR CASE STYLE:

T:W x L x H = 85(mm)x140(mm)x65(mm)

E: W x L x H =83(mm) x150(mm)x65(mm)

M:W x L x H =100(mm)x125(mm)x63.5(mm)



CONN	PIN	WIRE COLOR	OUTPUT	WIRE AWG	LENGTH	
P1B	1	ORANGE	+3.3V	20	300±25	
	2	ORANGE	+3.3V	20		
	3	BLACK	GND	20		
	4	RED	+5V	20		
	5	BLACK	GND	20		
	6	RED	+5V	20		
	7	BLACK	GND	20		
	8	GRAY	PG	20		
	9	PURPLE	+5VSB	20		
	10	YELLOW	+12V	20		
	11	YELLOW	+12V	20		
	12	ORANGE	+3.3V	20		
	13	ORANGE	+3.3V	20		
	14	BLUE	-12V	20		
	15	BLACK	GND	20		
	16	GREEN	PS-ON	20		
	17	BLACK	GND	20		
	18	BLACK	GND	20		
	19	BLACK	GND	20		
	20	NC	NC	NC		
	21	RED	+5V	20		
	22	RED	+5V	20		
	23	RED	+5V	20		
	24	BLACK	GND	20		
P2	1	BLACK	GND	20		
	2	BLACK	GND	20		
	3	YELLOW	+12V	20		
	4	YELLOW	+12V	20		
P5,P5-1	1	ORANGE	+3.3V	20		
	2	BLACK	GND	20		
	3	RED	+5V	20		
	4	BLACK	GND	20		
	5	YELLOW	+12V	20		
PA	1	YELLOW	+12V	20		
	2	BLACK	GND	20		
	3	BLACK	GND	20		
	4	RED	+5V	20		
PB	1	YELLOW	+12V	20		
	2	BLACK	GND	20		
	3	BLACK	GND	20		
	4	RED	+5V	20		
P4	1	ORANGE	+3.3V	20		
	2	BLACK	GND	20		
	3	RED	+5V	20		
	4	BLACK	GND	20		
	5	YELLOW	+12V	20		
P4-1	1	ORANGE	+3.3V	20		
	2	BLACK	GND	20		
	3	RED	+5V	20		
	4	BLACK	GND	20		
	5	YELLOW	+12V	20		

NOTE:

P1B:	HOUSING:	WST P4/P20-142002K7	OR EQU
	TERMINAL:	WST I42002PS-2	
PA,PB:	HOUSING:	AMP 1-480424-0	OR EQU
	TERMINAL:	AMP 60619-4	
P4,P4-1	HOUSING:	WST:P5-112701插接式	OR EQU
	TERMINAL:	WST:I12701PS-00	
P5,P5-1	HOUSING:	WST P5-112702	OR EQU
	TERMINAL:	WST 112702PL	
P2	HOUSING:	MOLEX 39-01-2040	OR EQU
	TERMINAL:	MOLEX 39-00-0060	

WCE-014 REV: A

CWT Channel Well Technology CO., LTD.

APPROVED
L,G XU

DRAWING NO.
G-5-05

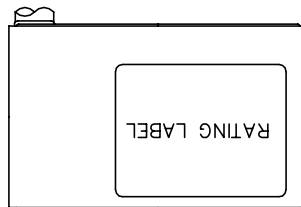
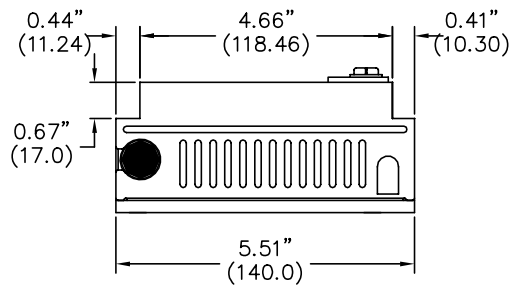
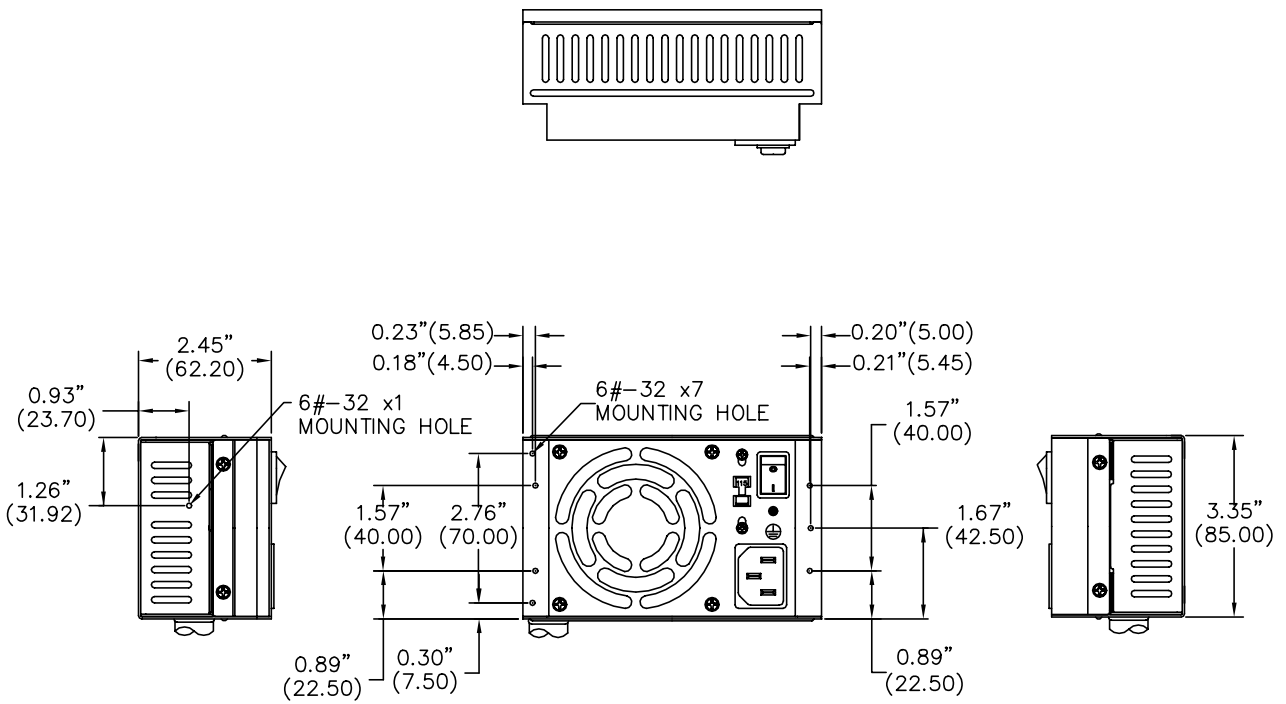
UNIT
INCHES(MM) REV.
0.1

TITLE
PSF SERIES - ATX 6 O/P CABLE

DATE
APR 10.2009

MODEL NO.
PSF x Y - ZZ

TOLERANCES:
X= ±0.2
.XX= ±0.15 SHEET
1/1



NOTE:

1. CASE TOP:G20C090075-6N
2. CASE BOT:G20C090124-6N
3. 材質 SGCC t=0.8mm

	APPROVED	DRAWING NO.	UNIT	REV.
	SUN YP	N-21-PA10-A	INCHES(MM)	0.1
TITLE	DATE	MODEL NO.	TOLERANCES:	SHEET
PSF SERIES CASE; XW OUTPUT	MAR 18,2009	PSFxY-ZZ	.X = ±0.2 .XX = ±0.15	1/1