

Best Power Solutions Inc.

Switching Power Supply

MODEL NO.: OPM-130

ELECTRICAL SPECIFICATIONS

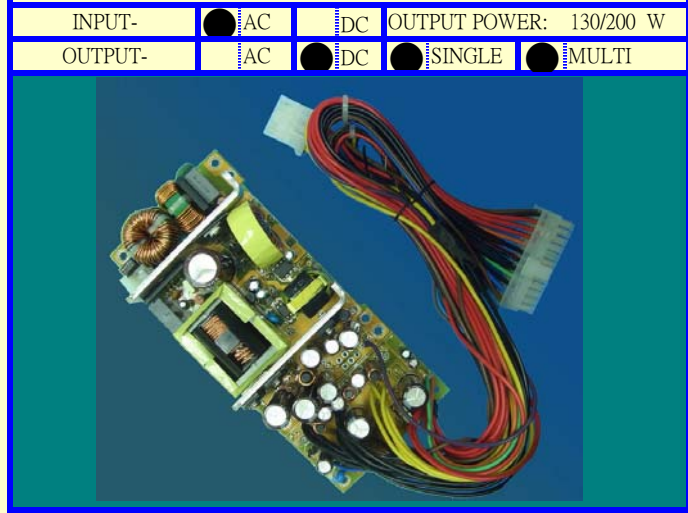
Input:

- Operating voltage range: Normal-100Vac to 240Vac
Worst- 90Vac to 264Vac
- Operating frequency range: 47 to 63 Hz.
- Efficiency: 80% min.(+24V output only),73% min.(multi outputs) typical at full load and normal line input voltage.
- Active PFC .

Output:

- Maximum output Power: 200W, 15CFM force air cooling
- Maximum output Power: 130W, free air cooling
- Short circuit protection: Shutdown mode.
- Over voltage protection: set at 120% to 155% of rated output voltage.
- PS_ON signal: TTL compatible .
- PW_OK signal: meet ATX 2.xx requirement.

EASY SELECT INFORMATION



DIMENSION (L*W*H):169(6.65")*76(2.99")*35(1.37")

SAFETY STANDARDS

- EN60601-1

ENVIRONMENTAL:

- Operating temperature: 0-40°C
- temperature coefficient: $\pm 0.04\%/^{\circ}\text{C}$
- MTBF demonstrated >90,000hours at 75% rated load and 25°C ambient temperature

EMC STANDARDS

- EN60601-1-2
- EN55011, Class B

safety approval list	
UL/C-UL	<input checked="" type="radio"/>
TUV	<input checked="" type="radio"/>
CE	<input checked="" type="radio"/>
CB	<input checked="" type="radio"/>
FCC	<input checked="" type="radio"/>

● -Yes ● -No ● -Pending

Output Voltage	Load Range	Load Range		Regulation		Ripple(max.)		Ripple & Noise	
		Min.	Max.	Min.	Max.	mVp-p		mVp-p	
V1	+3.3V	0.05A	10A	+5%	-5%	50	mV	100	mV
V2	+5V	0.05A	10A	+5%	-5%	50	mV	100	mV
V3	+12V	0.05A	10A	+5%	-5%	120	mV	150	mV
V4	-12V	0.01A	0.3A	+10%	-10%	150	mV	200	mV
V5	+5Vsb	0A	1.5A	+5%	-5%	50	mV	100	mV

Note 1. Noise Test ----- Ripple and noise are defined as periodic or random signals over a

frequency band of 10 Hz. to 20 MHz. Measurements shall be made with an oscilloscope with 20 MHz bandwidth.

Note 2. Add 0.1uF / 10uF capacitors at output connector terminals for ripple & noise

Note 3. Regulation tolerance shall include temperature change, warm up drift and dynamic load



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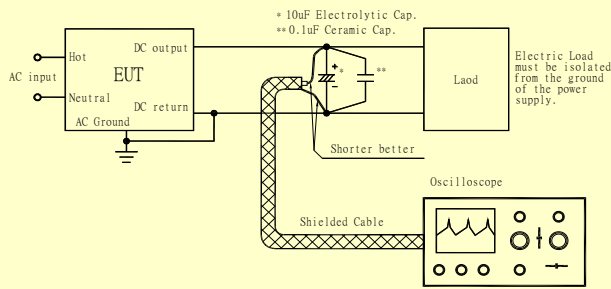


Fig.1 Differential Noise Test Setup

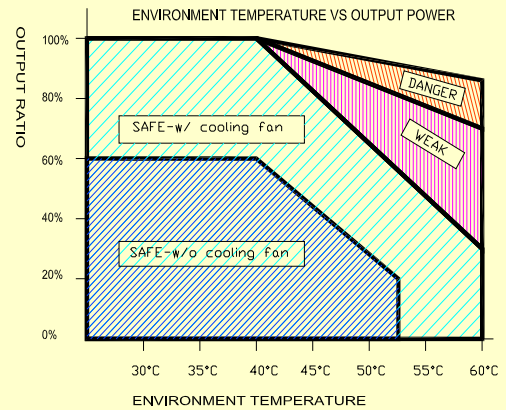


Fig.2 Output Derating Curve

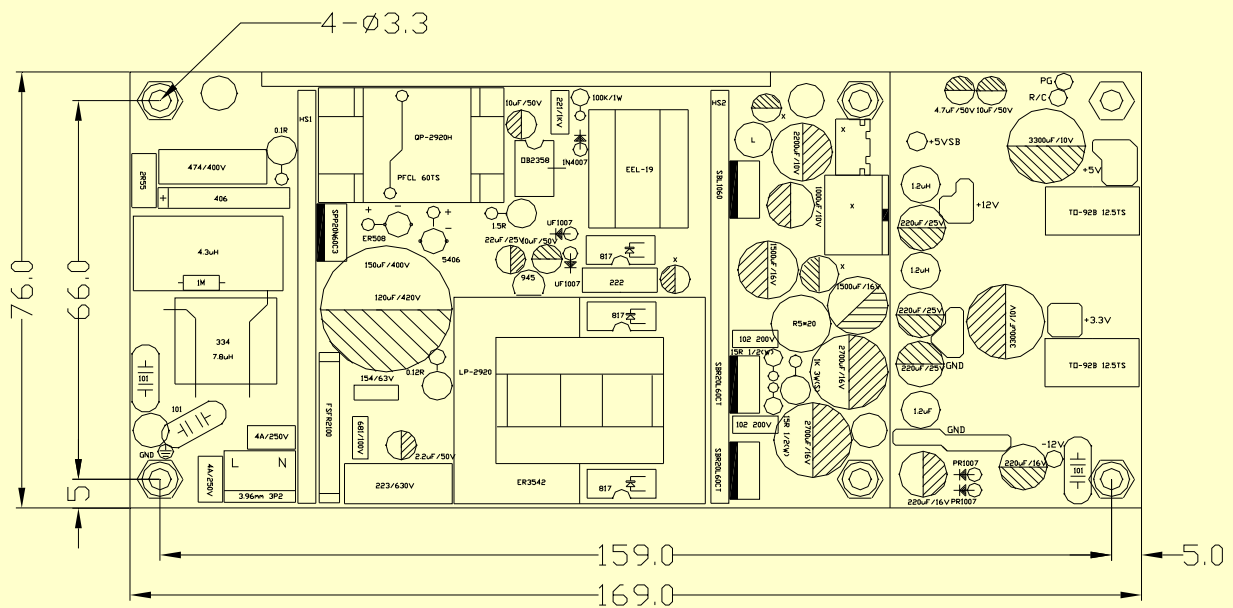


Fig.3 Mechanical Outline Draw



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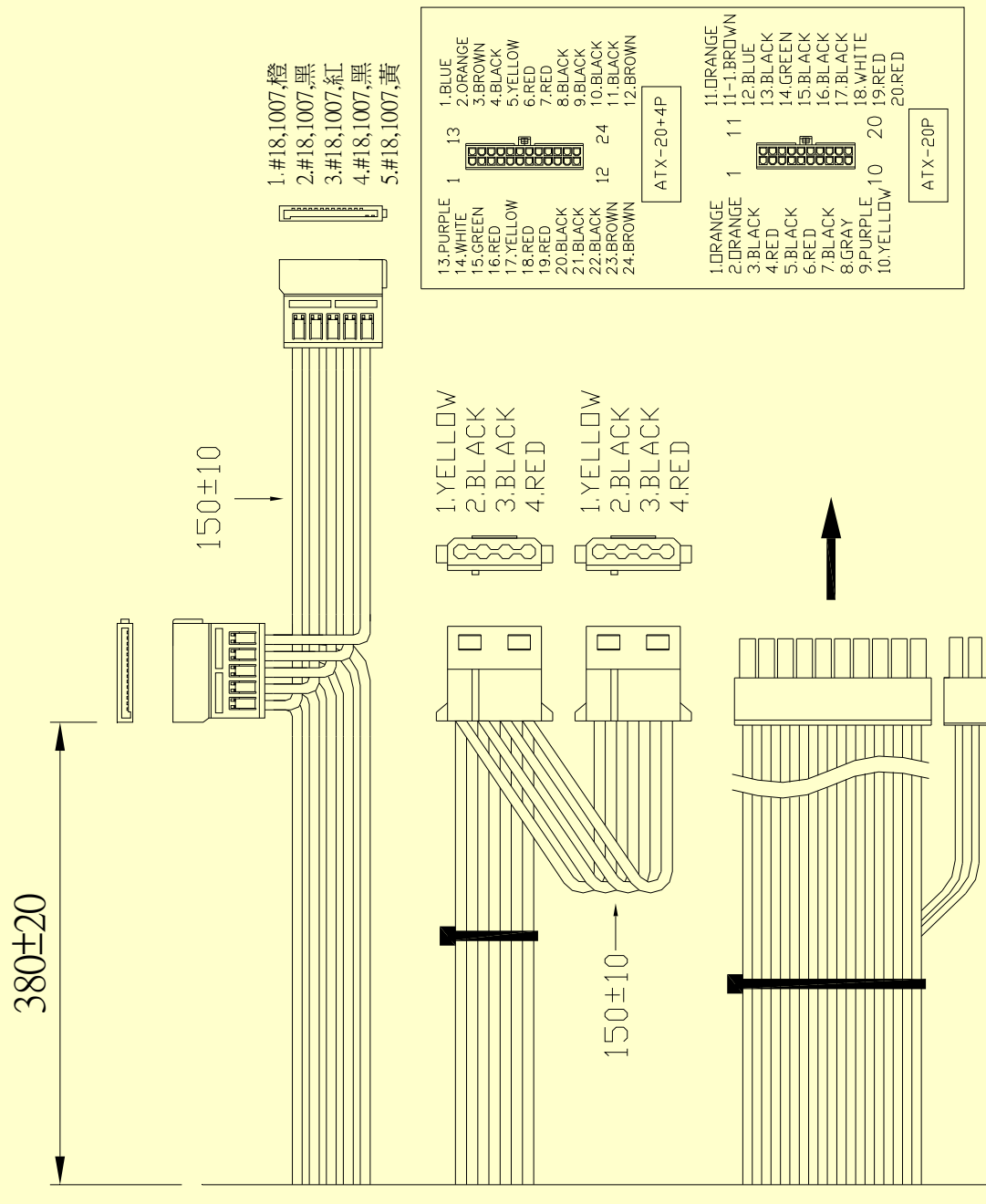


Fig.5 Wire harness / Standard type



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