

# Best Power Solutions Inc.

Switching Power Supply

MODEL NO.: OPM-130

## ELECTRICAL SPECIFICATIONS

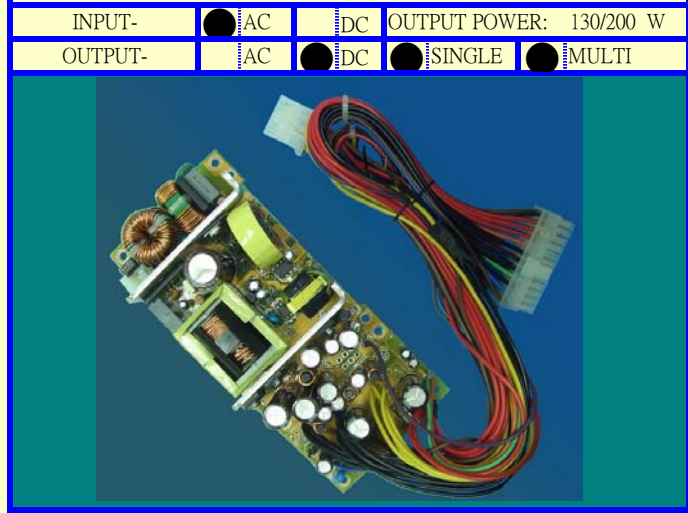
Input:

- 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



Best Power Solutions Inc.

9F-1, NO.190. SEC3, TA-TUNG RD., SHI CHIH CITY TAIPEI TAIWAN

TEL:02-8647-1188

FAX:02-8647-3322

E-mail:sales@bpsipc.com

URL-http://www.bpsipc.com

Best Power Solutions Inc.

Switching Power Supply

MODEL NO.: OPM-130

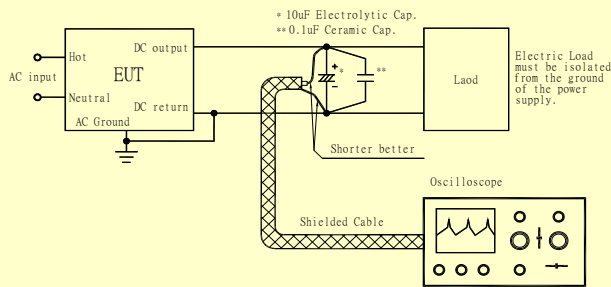


Fig.1 Differential Noise Test Setup

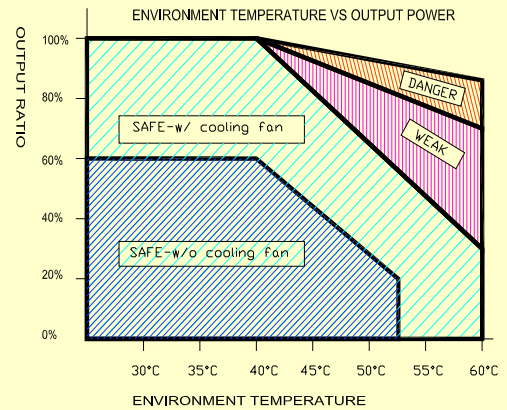


Fig.2 Output Derating Curve

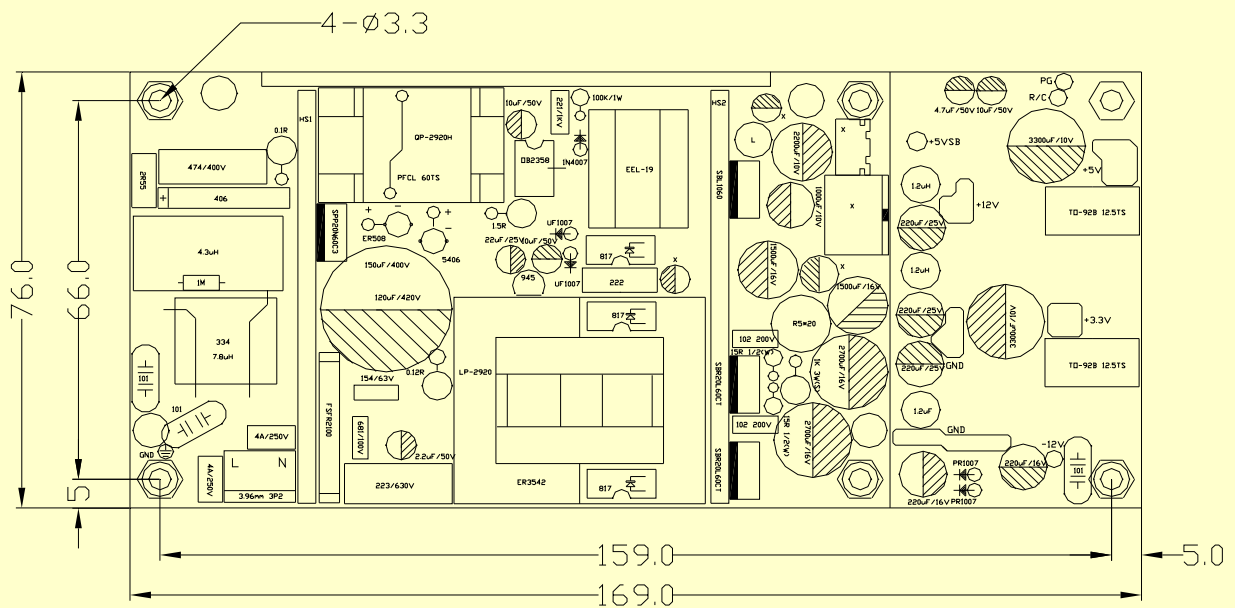


Fig.3 Mechanical Outline Draw



Best Power Solutions Inc.

9F-1, NO.190, SEC3, TA-TUNG RD., SHI CHIH CITY TAIPEI TAIWAN

TEL:02-8647-1188

FAX:02-8647-3322

E-mail:sales@bpsipc.com

URL-http://www.bpsipc.com

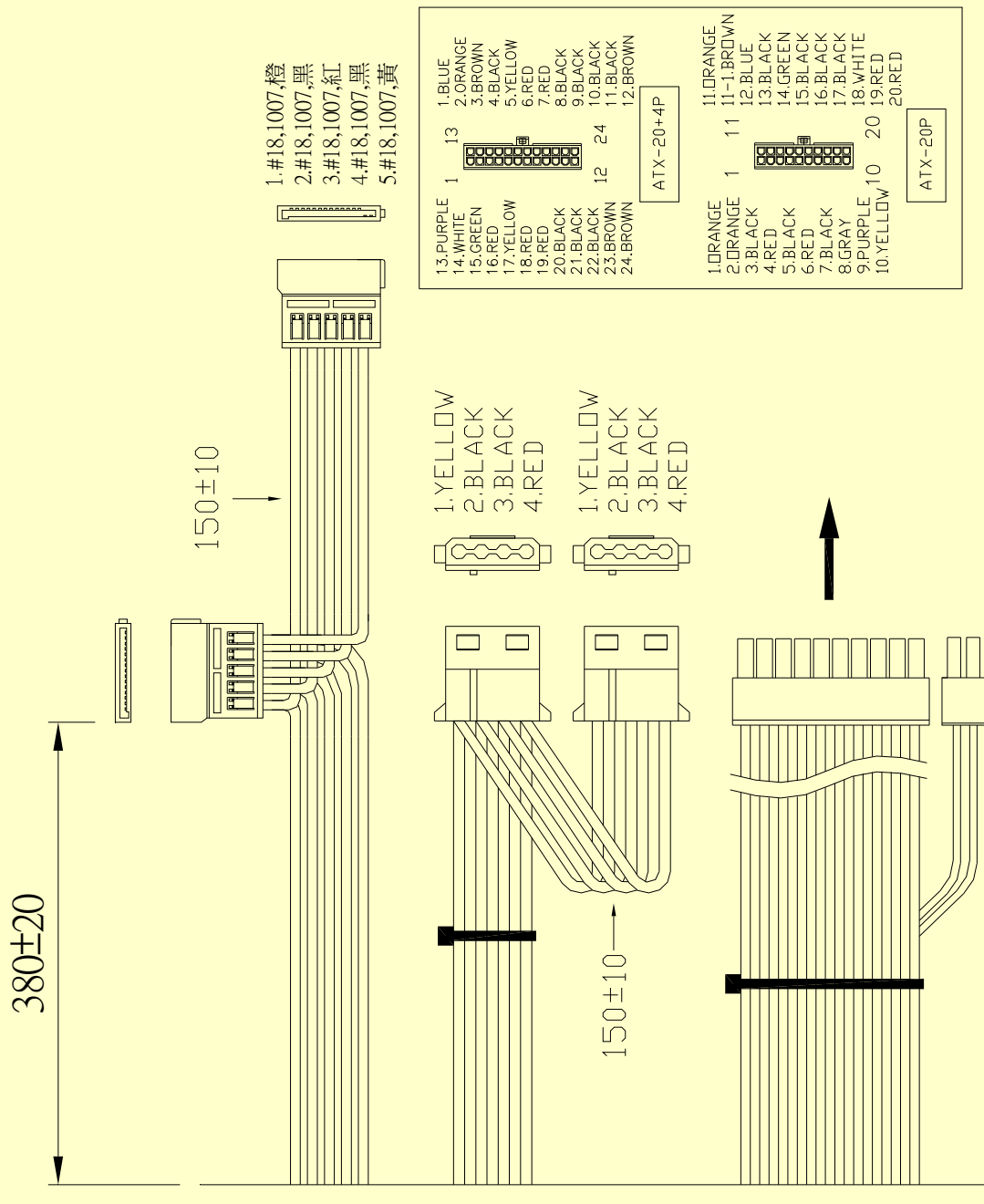


Fig.5 Wire harness / Standard type



Best Power Solutions Inc.

9F-1, NO.190. SEC3, TA-TUNG RD., SHI CHIH CITY TAIPEI TAIWAN

TEL:02-8647-1188

FAX:02-8647-3322

E-mail:sales@bpsipc.com

URL-http://www.bpsipc.com