

2015 Q4



**3" x 6" x 1"**

**General Specifications:**

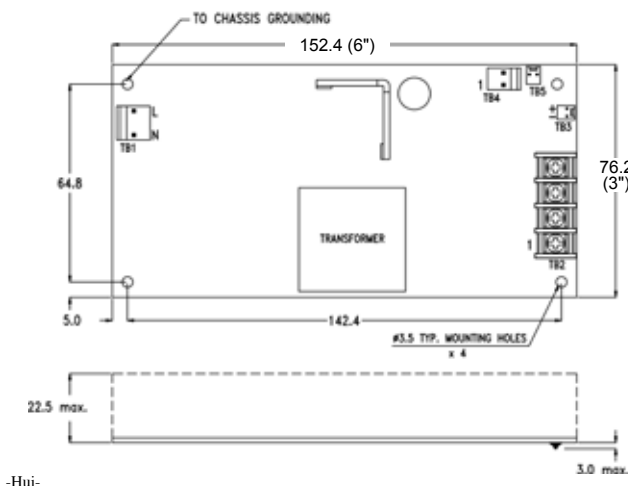
Input voltage ..... 90 VAC to 264 VAC  
 Input frequency ..... 47 Hz to 63 Hz  
 Standby power ..... < 0.2W at no load  
 (remote off status) < 0.5W at 5Vsb/40mA output  
 Inrush current ..... < 30/60A at 115/230VAC  
 Efficiency ..... 90% typ.  
 Hold up time ..... 18ms typ.  
 Over load/Short circuit protection ..... auto recovery  
 Over voltage protection ..... latch off  
 Operating temperature ..... -30°C to 70°C  
 derating: 2.5% / °C > 50°C

**Features:**

- Design for BF application
- Safety Class II
- With +5Vsb & +12V Fan output
- Remote on/off & Remote sense
- With Power good & Power fail signal
- Fan speed controlled by load
- High mechanical torque start-up
- -30°C to +70°C operating temperature
- 5,000m operation altitude
- Convection cooling for rated load
- Forced air for max. load

Cooling ..... 200W at convection cooling  
 300W at forced air cooling  
 Storage temperature ..... -40°C to +85°C  
 EMI ..... EN55022 "B", EN61000-3-3  
 Harmonics..... EN61000-3-2, class D  
 EMS..... EN61000-4-2,-3,-4,-5,-6,-8,-11  
 Safety ..... UL/CSA/EN60950-1, 2<sup>nd</sup> edition  
 ANSI/AMMI/CSA/EN60601-1, 3<sup>rd</sup> edition  
 Energy Saving ..... ENERGY STAR  
 for computers version 6.0  
 for displays version 6.0  
 ErP regulation EC(No) 1275/2008

**Mechanical Specifications:**



**Notes:**

1. Size: 3" x 6" x 1"
2. Mounting Hole: TBD
3. Connectors:  
 AC input : Molex 5277-02A or equivalent  
 DC output : Terminal Blocks (default for SNP-P207) or Molex 5273-08 (default for others) or equivalent  
 Remote ON/OFF & Standby Output & Fan output & Remote Sense: Molex 5272-03 or equivalent
4. Output Pin assignment:

Pin No.	1	2	3	4	5	6	7	8
SNP-P207-S	+Vo	+Vo	GND	GND				
OTHER MODELS	+Vo	+Vo	+Vo	+Vo	GND	GND	GND	GND

**Function Pin assignment:**

Function	TB3	TB4	TB5	TB6	TB7
FAN Output					
Standby Output					
Remote Sense					
Remote Control					
PG/PF					
Pin					
1	GND	GND	Sense-	GND	GND
2	+12V	+5Vsb	Sense+	+	+

5. Packing:  
 Net weight: TBD g approx. / unit  
 Gross weight: TBD kg approx. / carton, TBD units / carton  
 Carton size (mm): TBD (L) x TBD (W) x TBD (H)

**10 years Warranty (contact Skynet's Distributors for details)**

## Output Specifications:

MODEL NO.	OUTPUT RAIL	LOAD				INITIAL ACCURACY	STEP EFFICIENCY			AVERAGE EFFICIENCY
		MIN.	RATED	MAX.	PEAK		@ 20% LOAD	@ 50% LOAD	@ 100% LOAD	
SNP-P207-S	+12V	0A	16.66A	25A	33.3A	+11.9V~+12.1V +4.5V~+5.5V	85%	90%	90%	88%
	+5Vsb	0A	1A							
SNP-P209-S	+24V	0A	8.33A	12.25A	16.66A	+23.9V~+24.1V +4.5V~+5.5V	85%	90%	90%	88%
	+5Vsb	0A	1A							

### Note:

- Standby Power Consumption with System:**  
For computers and displays, ENERGY STAR in U.S. and ErP regulation in Europe require the input power should be less than 0.5W at standby mode.
- Output Load:**  
200W for convection cooling; 300W for forced air cooling.
- Peak Load Duration:**  
Peak 400W can last for 5 sec.
- Isolation Grade:**  
Primary ↔ Ground : 1MOPP (1500Vac)  
Primary ↔ Secondary : 2MOPP (4000Vac)  
Secondary ↔ Ground : 1MOPP (1500Vac)
- Leakage Current:**  
Earth leakage current < 300uA  
Touch current < 100uA
- EMI Grounding:**  
If there is a metal sheet under the power supply, connect the EMI ground to that metal sheet.
- Model Selection:**  
SNP-P20x-S is for ITE & medical applications.