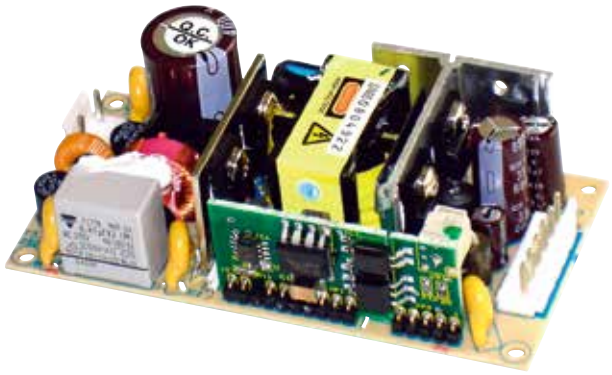
THE RELIABLE SOURCE

General Purpose

Rated 65W
Peak 90W
SNP-Z06 Series



2" x 4" x 1.18"

Features:

- Only 1.18 inch height
- With ITE & Medical safety
- Efficiency between 77% to 87%
- Operation from 0°C to 70°C by convection

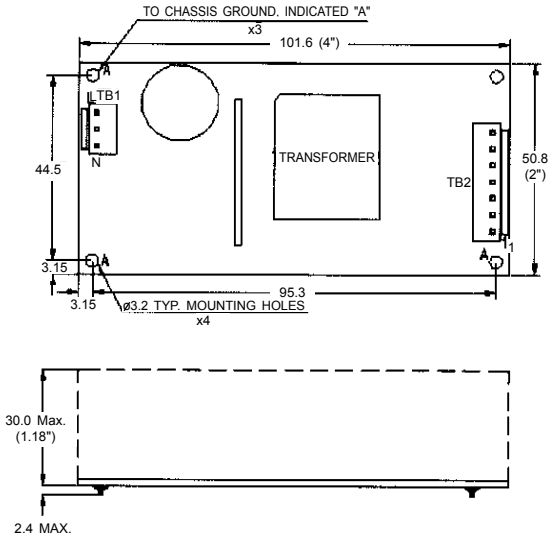
Applications:

- For dental, laboratory products, pumps, monitors, sleep apnea devices and many other uses.

General Specifications:

Input voltage ..... 90VAC to 264VAC
Input frequency..... 47Hz to 63Hz
Inrush current ..... < 40A at 115VAC
(cold start at 25°C) or < 70A at 230VAC
Efficiency ..... 77%~87% depends on models
at rated load and 115VAC
Hold up time ..... 15ms typical
at rated load and 115VAC, or 230VAC
Over load protection ..... auto recovery
Short circuit protection ..... auto recovery
Over voltage protection ..... latch off
Operating temperature ..... 0°C to 70°C convection
derating: 2.5% / °C > 50°C
Cooling ..... free air convection
Storage temperature .....-40°C to +85°C
EMI ..... FCC "B"
EN55022"B", EN55011"B"
EMS EN61000-4-2,-3,-4,-5,-6,-8,-11
Safety .....UL 60950-1, UL 60601-1
CSA C22.2 No. 60950-1, No. 60601.1
EN 60950-1, EN 60601-1

Mechanical Specifications:



-Kevin-

Notes:

1. Size:
   2" x 4" x 1.18"
2. Mounting Hole:
   44.5 x 95.3 (mm)
3. Connectors:
   AC input : JST B6P3-VH or equivalent
   DC output : JST B6P-VH or equivalent for single output
   JST B7P-VH or equivalent for multiple outputs
4. Output Pin assignment:

PIN NO.	1	2	3	4	5	6	7
SNP-Z061	-12V	+5V	+5V	GND	GND	+12V	+12V
SNP-Z06D	+12V	+5V	+5V	GND	GND	+3.3V	+3.3V
SNP-Z063	NC	+5V	+5V	GND	GND	+12V	+12V
SNP-Z06A	NC	+5V	+5V	GND	GND	+24V	+24V
SNP-Z066-1	GND	GND	GND	+5V	+5V	+5V	
SNP-Z067	+5V	GND	GND	GND	+12V	+12V	
SNP-Z067-1	NC	GND	GND	GND	+12V	+12V	
SNP-Z068	+5V	GND	GND	GND	+15V	+15V	
SNP-Z068-1	NC	GND	GND	GND	+15V	+15V	
SNP-Z069	+5V	GND	GND	GND	+24V	+24V	
SNP-Z069-1	NC	GND	GND	GND	+24V	+24V	
SNP-Z06T	NC	GND	GND	GND	+48V	+48V	

5. Packing:
   Net weight: 140 g approx. / unit
   Gross weight: 13.5 kg approx. / carton, 80 units / carton
   Carton size (mm): 382 (L) x 374 (W) x 277 (H)

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

Output Specifications:

MODEL NO.	OUTPUT RAIL	LOAD MIN.	LOAD RATED	LOAD MAX.	LOAD PEAK	VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.	EFFICIENCY TYPICAL
SNP-Z061	+5V +12V -12V	0A 0A 0A	3A 3A 0.3A		5A 5A	+4.95V~+5.05V +11.4V~+12.6V -11.4V~-12.6V	1% 1% 1%	±1% ±1% ±1%	±3% ±3% ±5%	82%
SNP-Z06D	+3.3V +5V +12V	0A 0A 0A	4.5A 3A 0.7A		6A 5A	+3.2V~+3.4V +4.75V~+5.25V +11.4V~+12.6V	50mV 1% 1%	±1% ±1% ±1%	±3% ±3% ±5%	80%
SNP-Z063	+5V +12V	0A 0A	3A 3A		6A 5A	+4.95V~+5.05V +11.4V~+12.6V	1% 1%	±1% ±1%	±3% ±3%	82%
SNP-Z06A	+5V +24V	0A 0A	4A 1.5A		6A 3A	+4.95V~+5.05V +22.8V~+25.2V	1% 1%	±1% ±1%	±3% ±3%	83%
SNP-Z066-1	+5V	0A	12A		18A	+4.95V~+5.05V	1%	±0.5%	±0.5%	85%
SNP-Z067	+12V +5V	0.1A 0A	4.8A 0.5A		7.5A	+11.88V~+12.12V +4.75V~+5.25V	0.5% 1%	±1% ±1%	±1% ±1%	82%
SNP-Z067-1	+12V	0.1A	5A		7.5A	+11.88V~+12.12V	0.5%	±1%	±1%	85%
SNP-Z068	+15V +5V	0A 0A	3.8A 0.5A		6A	+14.85V~+15.15V +4.75V~+5.25V	0.5% 1%	±1% ±1%	±1% ±1%	84%
SNP-Z068-1	+15V	0.1A	4.3A		6A	+14.85V~+15.15V	0.5%	±1%	±1%	85%
SNP-Z069	+24V +5V	0.1A 0A	2.4A 0.5A		3.7A	+23.75V~+24.24V +4.75V~+5.25V	0.5% 1%	±1% ±1%	±1% ±1%	85%
SNP-Z069-1	+24V	0.1A	2.7A		3.7A	+23.75V~+24.24V	0.5%	±1%	±1%	85%
SNP-Z06T	+48V	0A	1.35A		1.9A	+47.6V~+48.4V	0.5%	±0.5%	±0.5%	87%

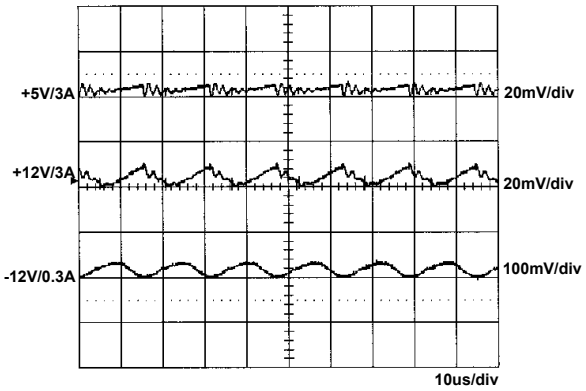
Note:

1. At peak load, the output can last for 8 seconds without shut down.
2. The maximum combinational load of SNP-Z06D for +3.3V & +5V is 30W.
3. At factory, all outputs in 60% rated load condition, each output is checked to be within the accuracy range while the main output is setting to within the specified accuracy range at rated load.
4. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
5. Load regulation is defined by changing ±40% of measured output load from 60% rated load at another output set to 60% rated load.
6. Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47uF capacitor at rated load and nominal line.
7. Hold up time is measured from the end of the last charging pulse to the time which the main output drop down to regulation limit at rated load and nominal line.
8. The efficiency is measured at nominal line and rated load.
9. Model Selection:
   SNP-Z06x is for both of ITE application and medical application.

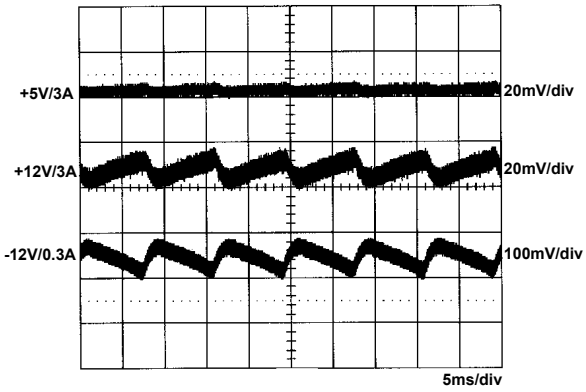
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Performance for SNP-Z061:

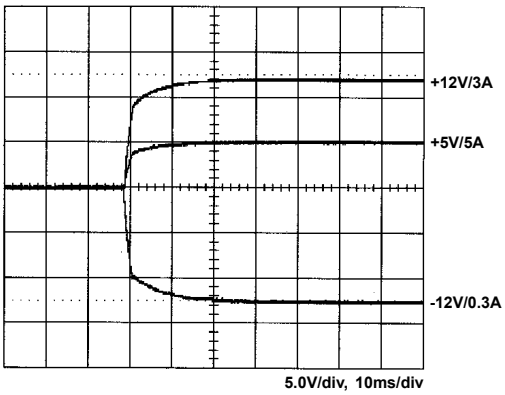
1. Switching frequency ripple



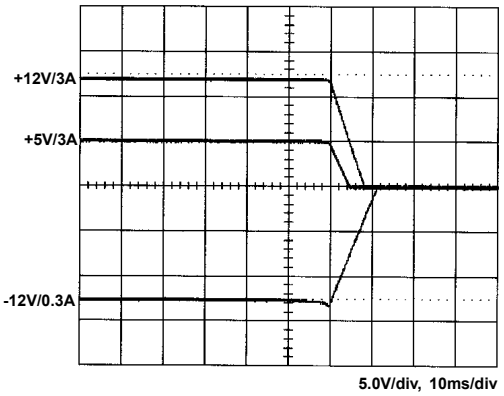
2. Line frequency ripple



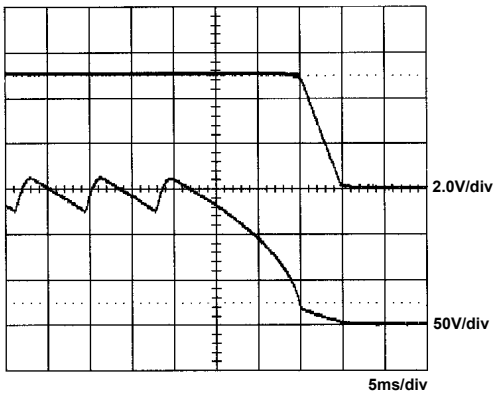
3. Output turn on wave form



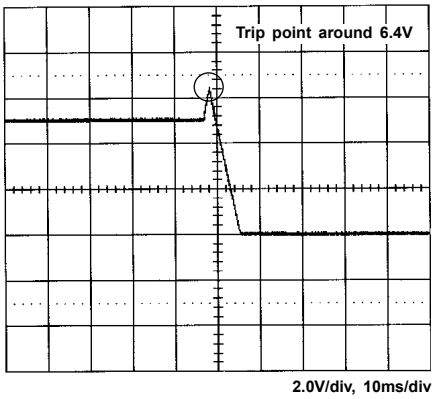
4. Output turn off wave form



5. Hold-up time

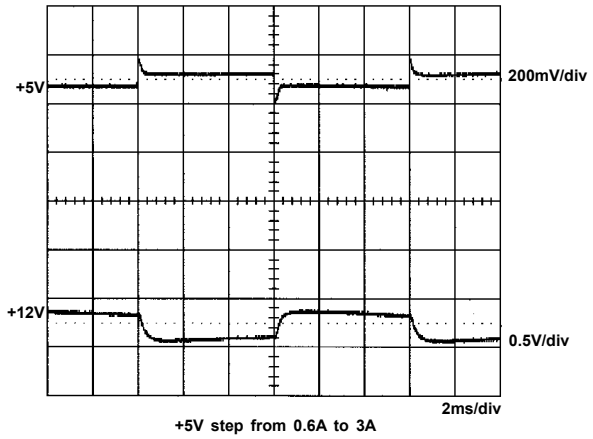


6. Over voltage protection



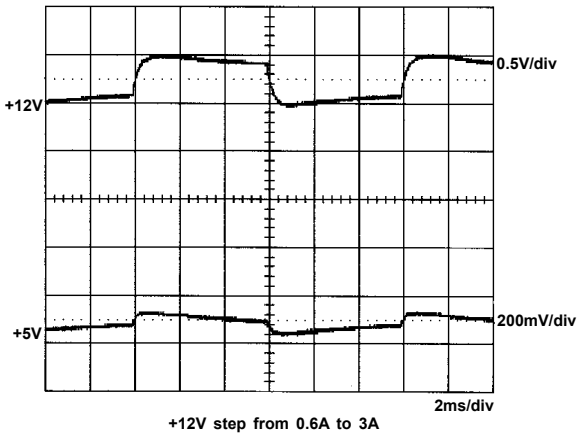
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7. +5V step response



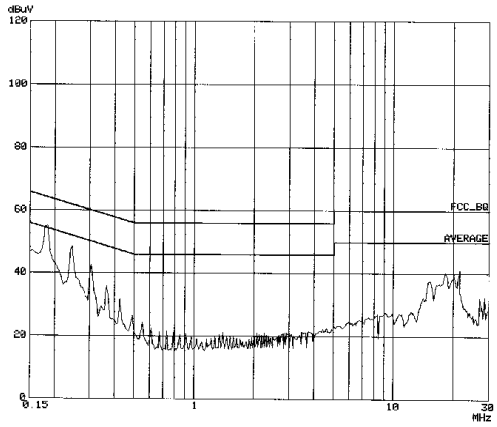
+5V step from 0.6A to 3A

8. +12V step response

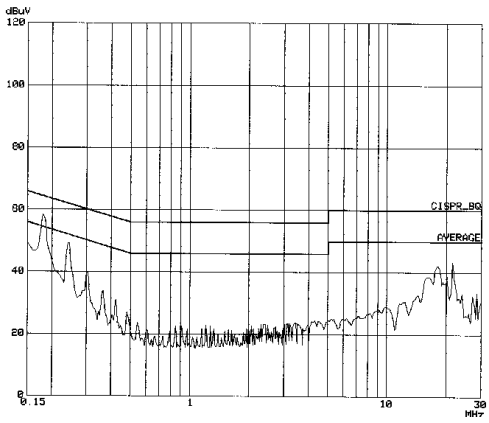


+12V step from 0.6A to 3A

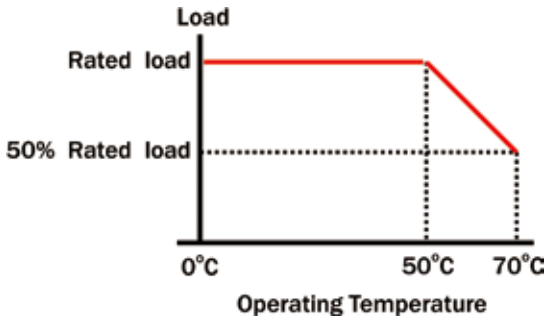
9. FCC B



10. EN 55022 B



11. Power derating curve



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