



Features

- 2" x 4" footprint
- Compact Size with only 1.18" Height
- ITE & Medical Dual Safety Approvals

Model Selection



Model No.	Output Rail	Load			Initial Accuracy*	Ripple & Noise*	Load Regulation	Efficiency
		Min	Rated	Peak*				
SNP-Z06B*	+3.3V	0A	10A	18A	+3.26V~+3.33V	50mV	±0.5%	77%
SNP-Z066-1	+5V	0A	12A	18A	+4.95V~+5.05V	1%	±0.5%	85%
SNP-Z067-1	+12V	0.1A	5A	7.5A	+11.88V~+12.12V	0.5%	±1%	85%
SNP-Z068-1	+15V	0.1A	4.3A	6A	+14.85V~+15.15V	0.5%	±1%	85%
SNP-Z069-1	+24V	0.1A	2.7A	3.7A	+23.76V~+24.24V	0.5%	±1%	85%
SNP-Z06T	+48V	0A	1.35A	1.9A	+47.9V~+48.1V	0.5%	±0.5%	87%
SNP-Z067	+5V	0A	0.5A	7.5A	+4.75V~+5.25V	1%	±1%	82%
	+12V	0.1A	4.8A		+11.88V~+12.12V	0.5%	±1%	
SNP-Z068	+5V	0A	0.5A	6A	+4.75V~+5.25V	1%	±1%	84%
	+15V	0A	3.8A		+14.85V~+15.15V	0.5%	±1%	
SNP-Z069	+5V	0A	0.5A	3.7A	+4.75V~+5.25V	1%	±1%	85%
	+24V	0.1A	2.4A		+23.76V~+24.24V	0.5%	±1%	
SNP-Z063	+5V	0A	3A	6A	+4.95V~+5.05V	1%	±3%	82%
	+12V	0A	3A		+11.4V~+12.6V	1%	±3%	
SNP-Z06A	+5V	0A	4A	6A	+4.95V~+5.05V	1%	±3%	83%
	+24V	0A	1.5A		+22.8V~+25.2V	1%	±3%	
SNP-Z061	+5V	0A	3A	5A	+4.95V~+5.05V	1%	±3%	82%
	+12V	0A	3A		+11.4V~+12.6V	1%	±3%	
	-12V	0A	0.3A		-11.4V~-12.6V	1%	±5%	
SNP-Z06D*	+3.3V	0A	4.5A	6A	+3.26V~+3.33V	50mV	±3%	80%
	+5V	0A	3A		+4.75V~+5.25V	1%	±3%	
	+12V	0A	0.7A		+11.4V~+12.6V	1%	±5%	

General Specifications

– Input & Output –		– EMC –	
Input voltage range	90VAC to 264VAC	Emission	FCC/CISPR, level B
Label voltage	100VAC to 240VAC	ESD	EN61000-4-2, criterion A
Nominal line voltage	115VAC / 230VAC		4kV contact, 8kV air discharge
Input frequency range	47Hz to 63Hz	Radiated immunity	EN61000-4-3
Inrush current*	<40A at 115VAC, <70A at 230VAC		10V/M with 80% AM, criterion A
Line regulation	<±1%	EFT/Burst	EN61000-4-4, 4kV, criterion A
Hold-up time	20ms typ.(SNP-Z06D)	Surge	EN61000-4-5, 1kV L-L, 2kV L-E, criterion A
	15ms typ. (other models)	Conducted immunity	EN61000-4-6, 10V with 80% AM, criterion A
– Protection –		MS	EN61000-4-8, 3A/m, criterion A
Over Voltage*	Latch-off	Voltage dips	EN61000-4-11
Over Load / Short	Auto-recovery		30% dips 10ms, criterion A
			60% dips 100ms, criterion C
			95% dips 5000ms, criterion C
– Environmental –		– Safety –	
Operating temperature	0°C to +70°C	Approvals	60950-1, 2 nd edition (TUV, UL, CSA)
Cooling	Convection cooling		60601-1, 2 nd edition (TUV, UL, CSA)
Power derating	Refer to Power Derating Curve		CB Report, CE Mark
Storage temperature	-40°C to +75°C		
Relative humidity	10% to 90% RH, non-condensing		
Operating altitude	0 to 2000m		

Notes

- All specifications without special notices are defined at nominal line, rated load and 25°C.
- Initial output voltage is set at 60% rated load and 115VAC input.
- For SNP-Z06D, max combination of +3.3V and +5V is 30W/peak.
- SNP-Z06B is only for medical use.
- Peak load can last 8 sec with 10% duty cycle and average power < rated load.
- Inrush current is defined at 25°C cold start and EMI capacitors are excluded.
- Over voltage protection mode is defined at 60% rated load.
- Ripple & Noise is defined with 15MHz BWL oscilloscope and 1X probe with 0.47uF output capacitor for each output.
- All specifications subject to change without notice.
- This datasheet is only for model selection. Please contact sales@skynetpower.com.tw for formal specification.

Output Pin

PIN NO.	1	2	3	4	5	6	7
SNP-Z063	NC	+5V	+5V	GND	GND	+12V	+12V
SNP-Z06A	NC	+5V	+5V	GND	GND	+12V	+12V
SNP-Z061	-12V	+5V	+5V	GND	GND	+12V	+12V
SNP-Z06D	+12V	+5V	+5V	GND	GND	+3.3V	+3.3V
SNP-Z06B	GND	GND	GND	+3.3V	+3.3V	+3.3V	
SNP-Z066-1	GND	GND	GND	+5V	+5V	+5V	
SNP-Z067-1	NC	GND	GND	GND	+12V	+12V	
SNP-Z068-1	NC	GND	GND	GND	+15V	+15V	
SNP-Z069-1	NC	GND	GND	GND	+24V	+24V	
SNP-Z06T	NC	GND	GND	GND	+48V	+48V	
SNP-Z067	+5V	GND	GND	GND	+12V	+12V	
SNP-Z068	+5V	GND	GND	GND	+15V	+15V	
SNP-Z069	+5V	GND	GND	GND	+24V	+24V	

Connector type*

- TB1 AC input : JST B2P3-VH
- TB2 DC output : JST B7P-VH
(SNP-Z063/A/1/D)
: JST B6P-VH
(other models)

Dimensions

- WxLxH : 2" x 4" x 1.18"
50.8 x 101.6 x 30 (mm)

Packing

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

Notes

- For all connectors, equivalent types from other vendors could be used.
- Dimensions in left graph are shown in mm.
- Tolerance for dimension is ± 0.4 mm.

Power Derating Curve

