

Features

- 2" x 4" footprint
- High Power Density up to 7.7W/in³
- Compact Size with only 0.97" Height
- ITE & Medical models available
- Cost effective
- Green Power

Model Selection



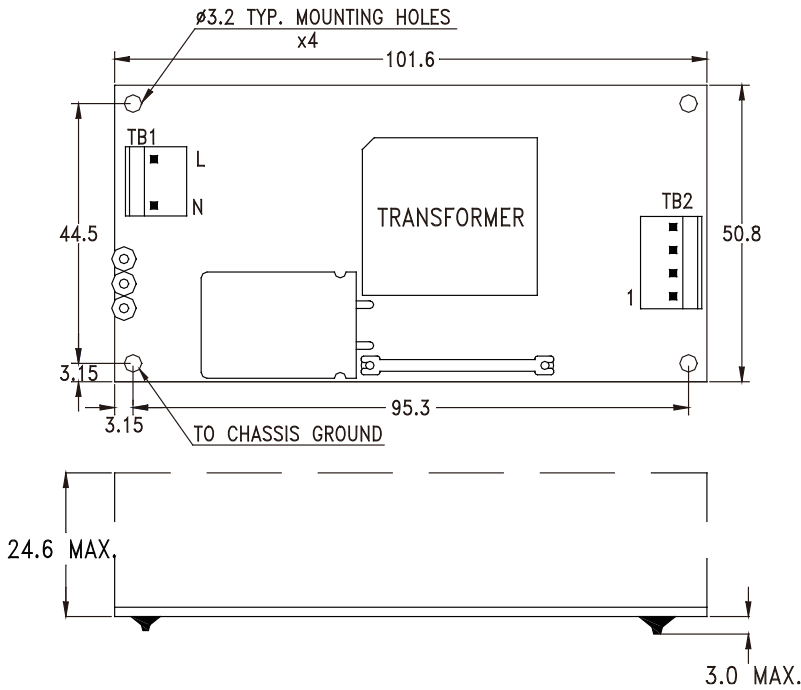
Model No. (ITE Models)*	Output Rail	Load			Initial Accuracy*	Ripple & Noise*	Efficiency
		Min	Rated	Peak*			
SNP-GK67	+12V	0A	5.00A	6.50A	+11.9V~+12.1V	120mV	85%
SNP-GK68	+15V	0A	4.00A	5.60A	+14.9V~+15.1V	100mV	85%
SNP-GK65	+18V	0A	3.33A	4.67A	+17.9V~+18.1V	150mV	85%
SNP-GK69	+24V	0A	2.50A	3.50A	+23.9V~+24.1V	150mV	86%
SNP-GK6G	+28V	0A	2.14A	3.00A	+27.9V~+28.1V	150mV	87%
SNP-GK6J	+36V	0A	1.66A	2.21A	+35.8V~+36.2V	200mV	88%
SNP-GK6T	+48V	0A	1.25A	1.75A	+47.8V~+48.2V	250mV	89%
SNP-GK6H	+60V	0A	1.00A	1.40A	+59.6V~+60.4V	300mV	88%

General Specifications

– Input & Output –		– EMC –	
Input voltage range	90VAC to 264VAC	Emission	FCC/CISPR, level B
Label voltage	100VAC to 240VAC	Harmonic currents	EN61000-3-2, class A
Nominal line voltage	115VAC/230VAC	Voltage flicker	EN61000-3-3
Input frequency range	47Hz to 63Hz	ESD	EN61000-4-2, criterion A
Inrush current*	<30A at 115VAC, <60A at 230VAC		6kV contact, 8kV air discharge
No load input power	0.5W typ.	Radiated immunity	EN61000-4-3
Line/Load regulation	<±1%		10V/M with 80% AM, criterion A
Hold-up time	16ms typ.	EFT/Burst	EN61000-4-4, 2kV, criterion A
		Surge	EN61000-4-5
			1kV L-L, 2kV L-E, criterion A
– Protection –		Conducted immunity	EN61000-4-6
Over Voltage*	Latch-off		10V with 80% AM, criterion A
Over Load/Short	Auto-recovery	MS	EN61000-4-8, 10A/m, criterion A
		Voltage dips	EN61000-4-11
– Environmental –			30% dips 10ms, criterion A
Operating temperature	-20°C to +70°C		60% dips 100ms, criterion C
Cooling	Convection cooling		95% dips 5000ms, criterion C
Power derating	Refer to Power Derating Curve		
Storage temperature	-40°C to +85°C		
Relative humidity	5% to 90% RH, non-condensing	– Safety –	
Operating altitude	0 to 3000m	Approvals	60950-1, 2 nd edition (TUV, UL, CSA)
MTBF*	>0.43Mhr		60601-1, 3 rd edition (TUV, UL, CSA)
			CB Report, CE Mark, RM Report/File

Notes

- All specifications without special notices are defined at nominal line, rated load and 25°C.
- To order medical model, please add suffix "-M" in the end of the ITE model name, e.g. SNP-GK67-M.
- Initial accuracy is set at 60% rated load and 115VAC input.
- Peak load can last 3 seconds with 10% duty cycle and average power < rated load.
- Ripple & Noise is defined with 15MHz BWL oscilloscope and 1X probe with 0.47uF output capacitor.
- Inrush current is defined at 25°C cold start and EMI capacitors are excluded.
- Over voltage protection mode is defined at 60% rated load.
- MTBF is calculated according to MIL-HDBK-217F at rated load / nominal line input and 50°C ambient temperature.
- 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

TB2	1	2	3	4
Pin assignment	+V		RTN	

Connector type*

- TB1 AC input : Molex 5277-02A
- TB2 DC output : Molex 5273-04A

Dimensions

- WxLxH : 2" x 4" x 0.97"
50.8 x 101.6 x 24.6 (mm)

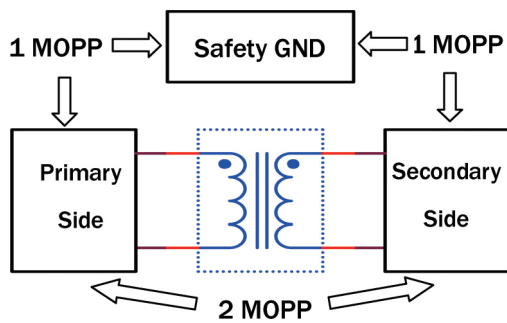
Packing

- Net weight : 110g approx./unit
- Carton size (mm) : 420(L) x 382(W) x 277(H)
- Quantity : 100 units / carton
- Gross weight : 13.5kg approx./carton

Notes

- For all connectors, equivalent types from other vendors could be used.
- Input & output connectors can be changed to JST type. Please contact Skynet for more details.
- Dimensions in left graph are shown in mm.
- Tolerance for dimension is ± 0.4 mm.
- This product is RoHS compliant.

Medical Isolation Grade



Power Derating Curve

