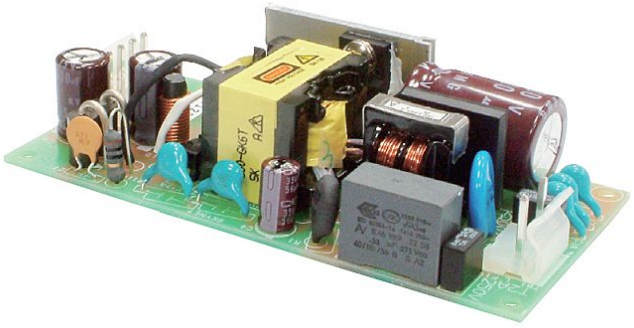
SNP-GK6 Series

60 W AC/DC Switch Mode Power Supplies – Open Frame

CoolPower Solutions

- 7.7 Watt per cubic inch
- With ITE & Medical (-M) safety
- Efficiency between 85% to 88%
- Operation from -20°C to 70°C



Electrical specifications

Input	Voltage	90-264 VAC
	Frequency	47-63 Hz
	Inrush Current	< 60 A at 230 VAC, cold start, 25ºC
Output	Output Power	60 W, Peak 84 W
	Voltage (VDC)	See table below
	Current (A) max.	See table below
	Line / Load regulation	± 1.0% / ± 1.0%
	Efficiency	89% …91% (depends on model)
	Ripple	See table
	Hold-up Time	16 ms typical
	No-load power consumption	< 0.5 W
Protection	Over Load Protection	Auto recovery
	Over Voltage Protection	Latch off
	Short Circuit Protection	Auto recovery
Environment	Operating Temperature	-20°C … +70°C (derating: 2.5% / °C > 50°C)
	Storage Temperature	-40°C … +85°C
	Humidity	5% to 90% RH, non-condensing
Physical	Dimension (L x W x H)	50.8 x 101.6 x 26.4 mm (2”×4”×0.97”)
	Weight	110 g
	Cooling	Free air convection
	Connections	AC input: Molex 5277-02A or equivalent DC output: Molex 5273-04A or equivalent
Safety & EMC	EMI	EN55022 "B", EN61000-3-3
	Harmonics	EN61000-3-2 class A
	EMS	EN61000-4-2,-3,-4,-5,-6,-8,-11
	ESD	EN61000-4-2, criterion A, 6kV contact, 8kV air discharge
	Safety Approvals	UL60950-1 : (cULus) EN 60601-1 : 2006 +A11 (TUV) ANSI/AAMI ES60601-1 : 2005 (cULus) EN 60601-1 : 2006 (TUV)

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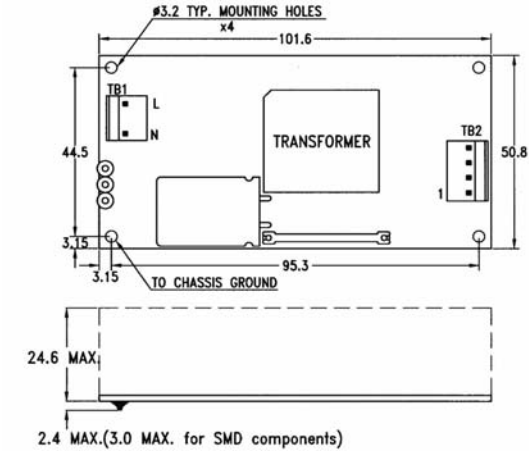
Models

Model	Output	Load			Initial accuracy*	Ripple& Noise*	Line / Load Regulation
		Min	Rated	Peak			
SNP-GK67	+12 V	0 A	5,00 A	6.50 A	11.9V~12.1V	120 mV	±1 % / ±1 %
SNP-GK68	+15 V	0 A	4.00 A	5.60 A	14.9V~15.1V	100 mV	±1 % / ±1 %
SNP-GK65	+18 V	0 A	3.33 A	4.67 A	17.9V~18.1V	150 mV	±1 % / ±1 %
SNP-GK69	+24 V	0 A	2.50 A	3.50 A	23.9V~24.1V	150 mV	±1 % / ±1 %
SNP-GK6G	+28 V	0 A	2.14 A	3.00 A	27.9V~28.1V	150 mV	±1 % / ±1 %
SNP-GK6J	+36 V	0 A	1.66 A	2.21 A	35.8V~36.2V	200 mV	±1 % / ±1 %
SNP-GK6T	+48 V	0 A	1.25 A	1.75 A	47.8V~48.2V	250 mV	±1 % / ±1 %

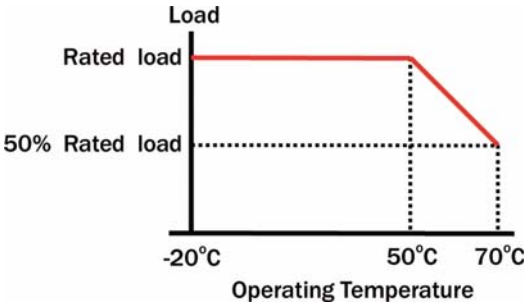
Notes

1. At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
2. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3. Load regulation is defined by changing ±40% of measured output load from 60% rated load at another output set to 60% rated load.
4. 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.
5. Hold up time is measured from the end of the last charging pulse to the time which the main output drops down to low limit of main output at rated load and nominal line.
6. Efficiency is measured at rated load and nominal line.

Dimensions



Derating



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