



Size: 4in x 2in x 0.97in

FEATURES

- Input Voltage of 90 to 264VAC
- Rated Wattage of 60 and Peak Wattage of 84
- Efficiency Between 85% to 89%
- ITE and Medical Safety
- Useful in Dental, Laboratory Products, Pumps, Monitors etc.
- Over Load, Short Circuit, and Over Voltage Protection
- UL/CSA/EN60950-1 2nd Edition and ANSI/AMMI/CSA/EN60601-1, 3rd Edition Safety Approvals

DESCRIPTION

The PSSNP-GK6 series of AC/DC medical open frame power supply offers rated output power of 60 watts and a peak output power of 84 watts in a compact 4" x 2" x 0.97" package. This series has a wide input voltage range of 90 to 264VAC and consists of single output models. Each model in this series has high efficiency between 85% to 89% and over load, short circuit, and over voltage protection. This series has UL/CSA/EN60950-1 2nd edition and ANSI/AMMI/CSA/EN60601-1 3rd edition safety approvals.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Output Current			Ripple & Noise	Output Power		Voltage Accuracy
			Min Load	Rated Load	Peak Load		Rated	Peak	
PSSNP-GK67x	90-264VAC	12V	0A	5.00A	6.50A	120mVp-p	60W	84W	11.9~12.1V
PSSNP-GK68x		15V	0A	4.00A	5.60A	100mVp-p	60W	84W	14.9~15.1V
PSSNP-GK65x		18V	0A	3.33A	4.67A	150mVp-p	60W	84W	17.9~18.1V
PSSNP-GK69x		24V	0A	2.50A	3.50A	150mVp-p	60W	84W	23.9~24.1V
PSSNP-GK6Gx		28V	0A	2.14A	3.00A	150mVp-p	60W	84W	27.9~28.1V
PSSNP-GK6Jx		36V	0A	1.66A	2.21A	200mVp-p	60W	84W	35.8~36.2V
PSSNP-GK6Tx		48V	0A	1.25A	1.75A	250mVp-p	60W	84W	47.8~48.2V
PSSNP-GK6Hx		60V	0A	1.00A	1.40A	300mVp-p	60W	84W	59.6~60.4V

SPECIFICATIONS

All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.
 We reserve the right to change specifications based on technological advances.

SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		90		264	VAC
Input Frequency		47		63	Hz
No Load Input Power				0.5	W
Inrush Current	@115VAC			30	A
	@230VAC			60	
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Voltage Accuracy		See Table			
Line Regulation		-1		+1	%
Load Regulation		-1		+1	%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise (20MHz bandwidth)		See Table			
Hold Up Time	@Rated Load and 115VAC		16		mS
PROTECTION					
Short Circuit Protection		Automatic Recovery			
Over Load Protection		Automatic Recovery			
Over Voltage Protection		Latch Off			
ENVIRONMENTAL SPECIFICATIONS					
Operating Case Temperature	Derating: 2.5%/°C >50°C	20		70	°C
Storage Temperature		-40		+85	°C
Cooling	60 Watts	Free Air Convection			

SPECIFICATIONS

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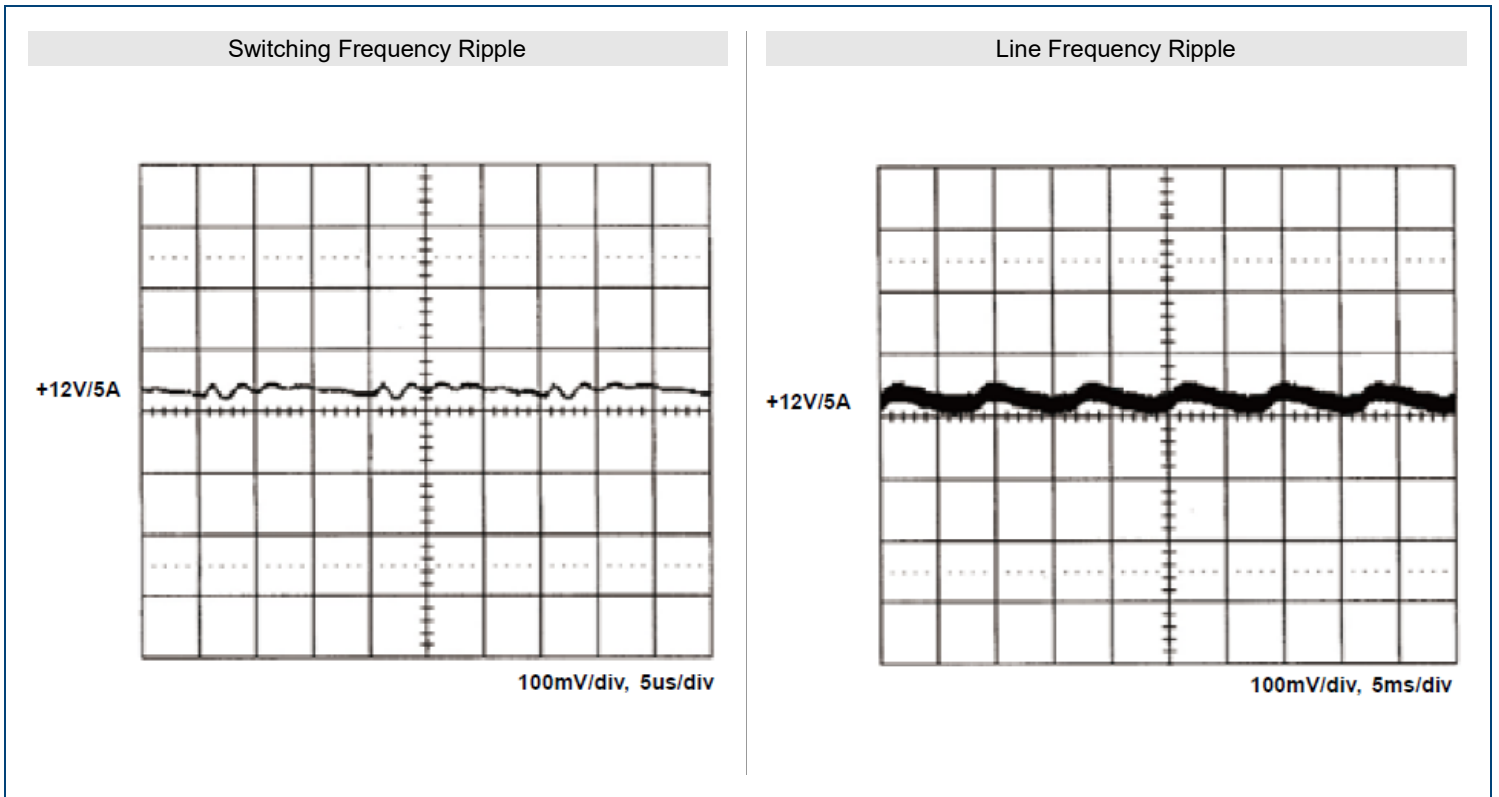
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
GENERAL SPECIFICATIONS					
Efficiency		85%~89% Depends on Models			
Leakage Current	Earth Leakage Current			300	μA
	Touch Current			100	
Isolation Grade	Primary ↔ Ground	1MOPP (1500VAC)			
	Primary ↔ Secondary	2MOPP (4000VAC)			
	Secondary ↔ Ground	1MOPP (1500VAC)			
PHYSICAL SPECIFICATIONS					
Weight		3.88oz (110g)			
Dimensions (L x W x H)		4in x 2in x 0.97in (101.6mm x 50.8mm x 24.6mm)			
SAFETY CHARACTERISTICS					
Safety Approvals	UL/CSA/EN60950-1, 2 nd Edition ⁽⁵⁾ ANSI/AMMI/CSA/EN60601-1, 3 rd Edition				
EMI ⁽²⁾	EN55022 "B", EN61000-3-3				
Harmonics	EN61000-3-2	Class A			
EMS	EN61000-4-2, 3, 4, 5, 6, 8, 11				

NOTES

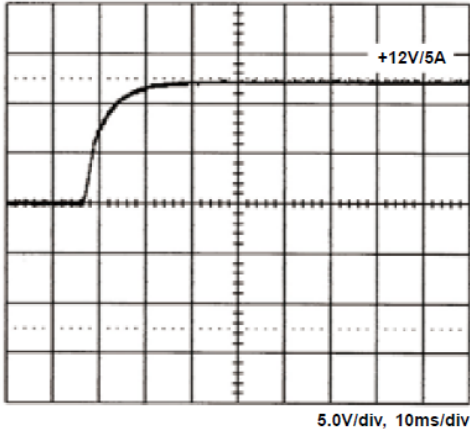
1. "x" in model number indicates either ITE or Medical Application. Leave "x" blank for ITE application and indicate "x" as "M" for medical application.
2. If there is a metal sheet under the power supply, connect the EMI ground to the metal sheet.
3. For computers and displays, energy star in U.S. and ErP regulation in Europe require the input power to be less than 0.5 at standby mode.
4. Peak load can last for 5 seconds.
5. This product is Listed to applicable standards and requirements by UL.

**Due to advances in technology, specifications subject to change without notice.*

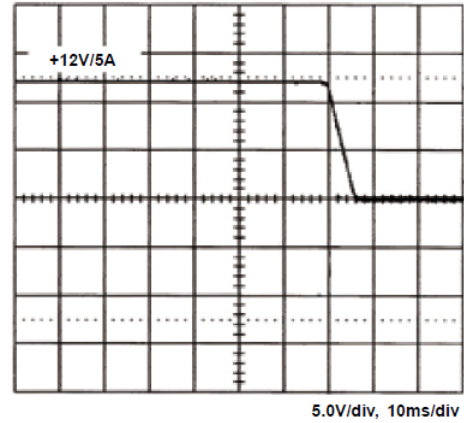
CHARACTERISTIC CURVES



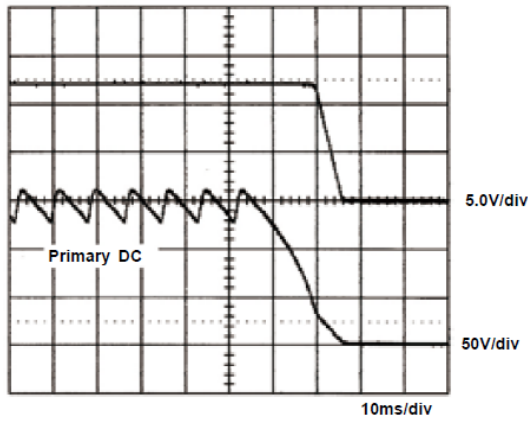
Output Turn On Wave Form



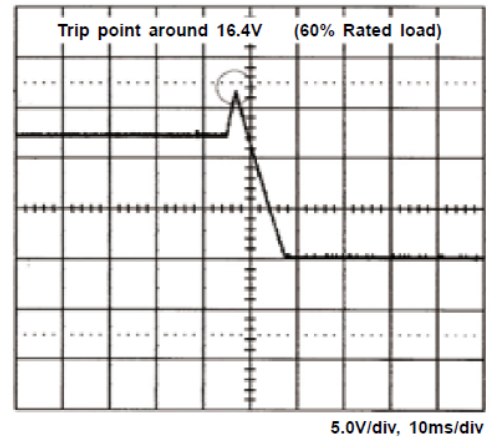
Output Turn Off Wave Form



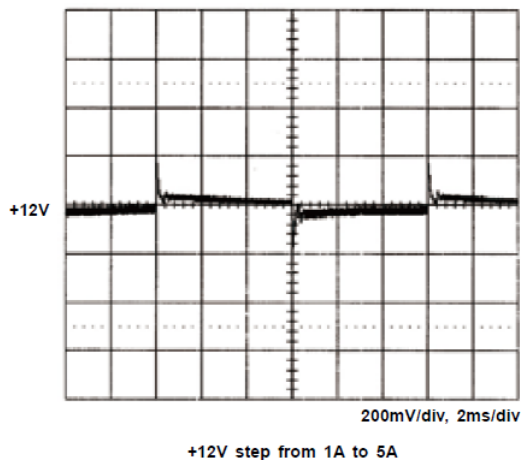
Hold-Up Time



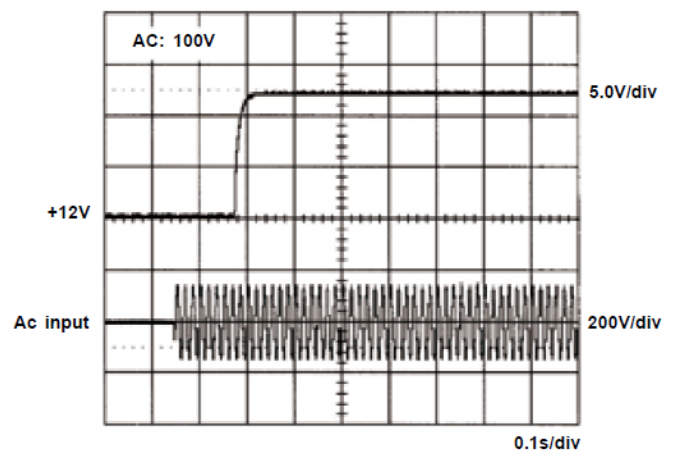
Over Voltage Protection



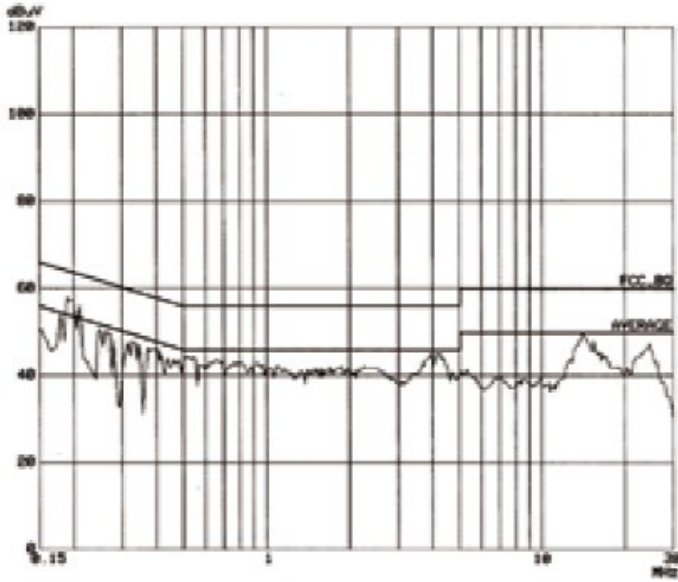
+12V Step Response



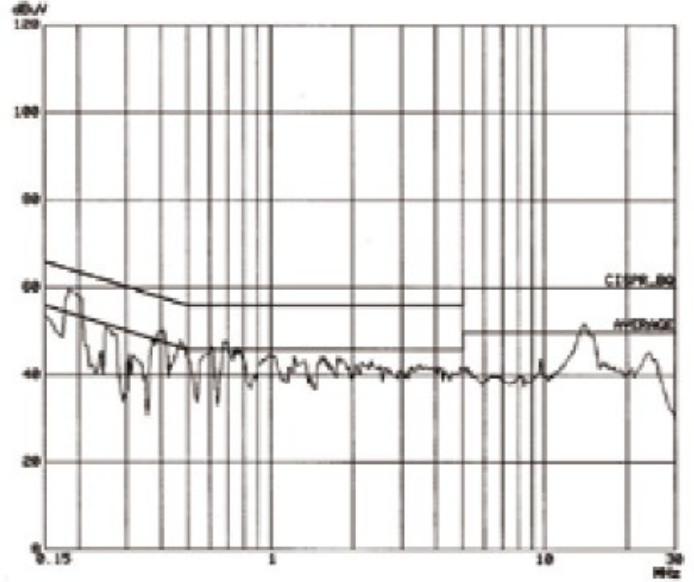
Start Up Time



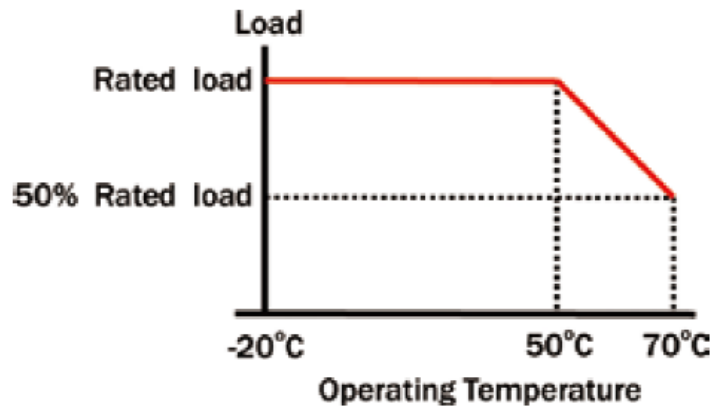
FCC B



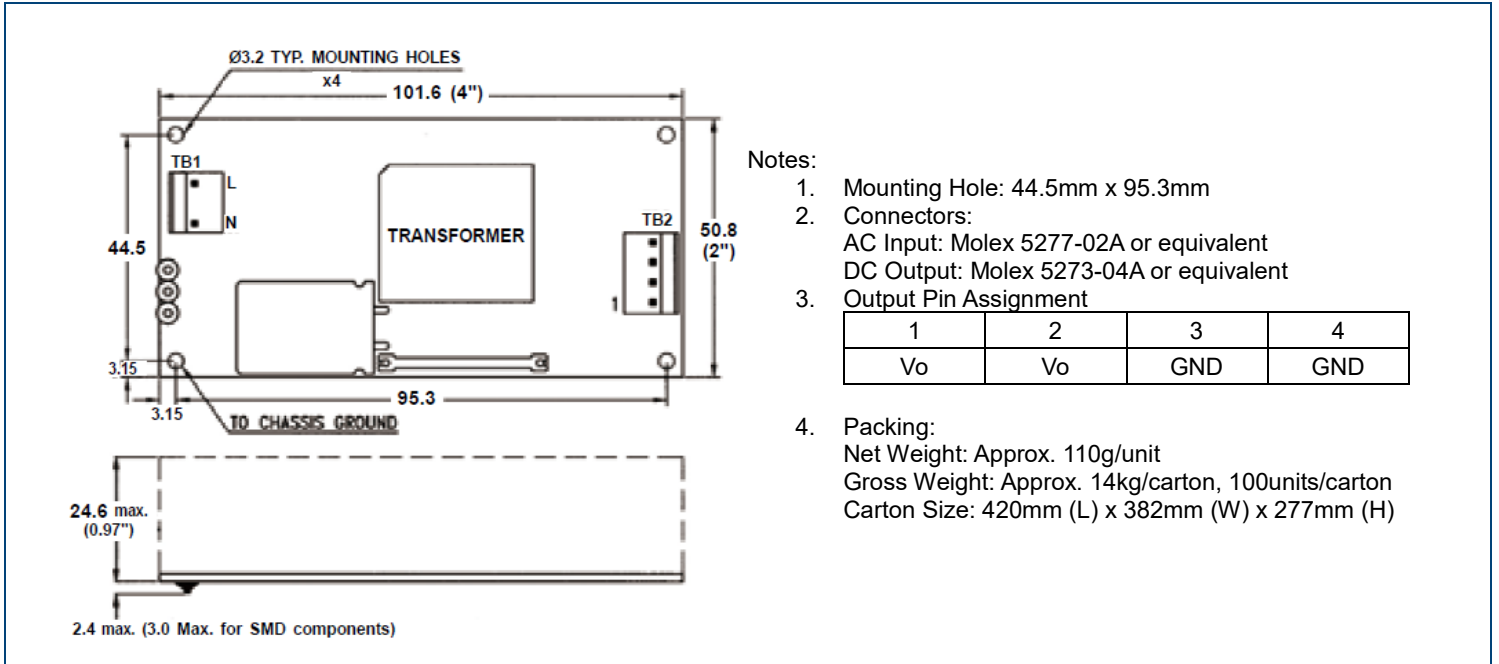
EN55022 B



Power Derating Curve



MECHANICAL DRAWINGS



Notes:

1. Mounting Hole: 44.5mm x 95.3mm
2. Connectors:
 AC Input: Molex 5277-02A or equivalent
 DC Output: Molex 5273-04A or equivalent
3. Output Pin Assignment

1	2	3	4
Vo	Vo	GND	GND

4. Packing:
 Net Weight: Approx. 110g/unit
 Gross Weight: Approx. 14kg/carton, 100units/carton
 Carton Size: 420mm (L) x 382mm (W) x 277mm (H)

COMPANY INFORMATION

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001: 2015 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

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