



Size: 4in x 2in x 0.97in (101.6mm x 50.8mm x 24.6mm)

FEATURES

- Designed for BF Application
- 90 to 264VAC Input Voltage Range
- High Mechanical Torque Start-Up
- Compact Design
- Convection Cooling for Rated Load
- Over Load, Short Circuit, and Over Load Protection
- ANSI/AMMI/CSA/EN60601-1, 3rd Edition, CB Report, CE Mark, and RM report/file Safety Approvals

DESCRIPTION

The PSSNP-H06-M series of AC/DC medical open frame power supply offers rated output power of 60 Watts and a peak output power of 48 watts of in a compact 4" x 2" x 0.97" frame. This series consists of single output models with a wide input voltage range of 90 to 264VAC. Each model in this series has high mechanical torque start-up and over load, short circuit, and over load protection. This series has ANSI/AMMI/CSA/EN60601-1, 3rd Edition, CB report, CE mark, and RM report/file safety approvals. Please call factory for order details.

MODEL SELECTION TABLE

Model Number	Input Voltage Range	Output Voltage	Output Current			Ripple & Noise	Output Power		Voltage Accuracy
			Min Load	Rated Load	Peak Load		Rated	Peak	
PSSNP-H067-M	90-264VAC	12V	0A	5.00A	6.50A	120mVp-p	60W	84W	11.9~12.1V
PSSNP-H068-M		15V	0A	4.00A	5.60A	100mVp-p	60W	84W	14.9~15.1V
PSSNP-H065-M		18V	0A	3.33A	4.67A	150mVp-p	60W	84W	17.9~18.1V
PSSNP-H069-M		24V	0A	2.50A	3.50A	150mVp-p	60W	84W	23.9~24.1V
PSSNP-H06G-M		28V	0A	2.14A	3.00A	150mVp-p	60W	84W	27.9~28.1V
PSSNP-H06J-M		36V	0A	1.66A	2.21A	200mVp-p	60W	84W	35.8~36.2V
PSSNP-H06T-M		48V	0A	1.25A	1.75A	250mVp-p	60W	84W	47.8~48.2V
PSSNP-H06H-M		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
Inrush Current	@115VAC @230VAC			30 63	A
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			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
Operating Altitude			3,000		m
Cooling	For Rated Load	Convection Cooling			

SPECIFICATIONS

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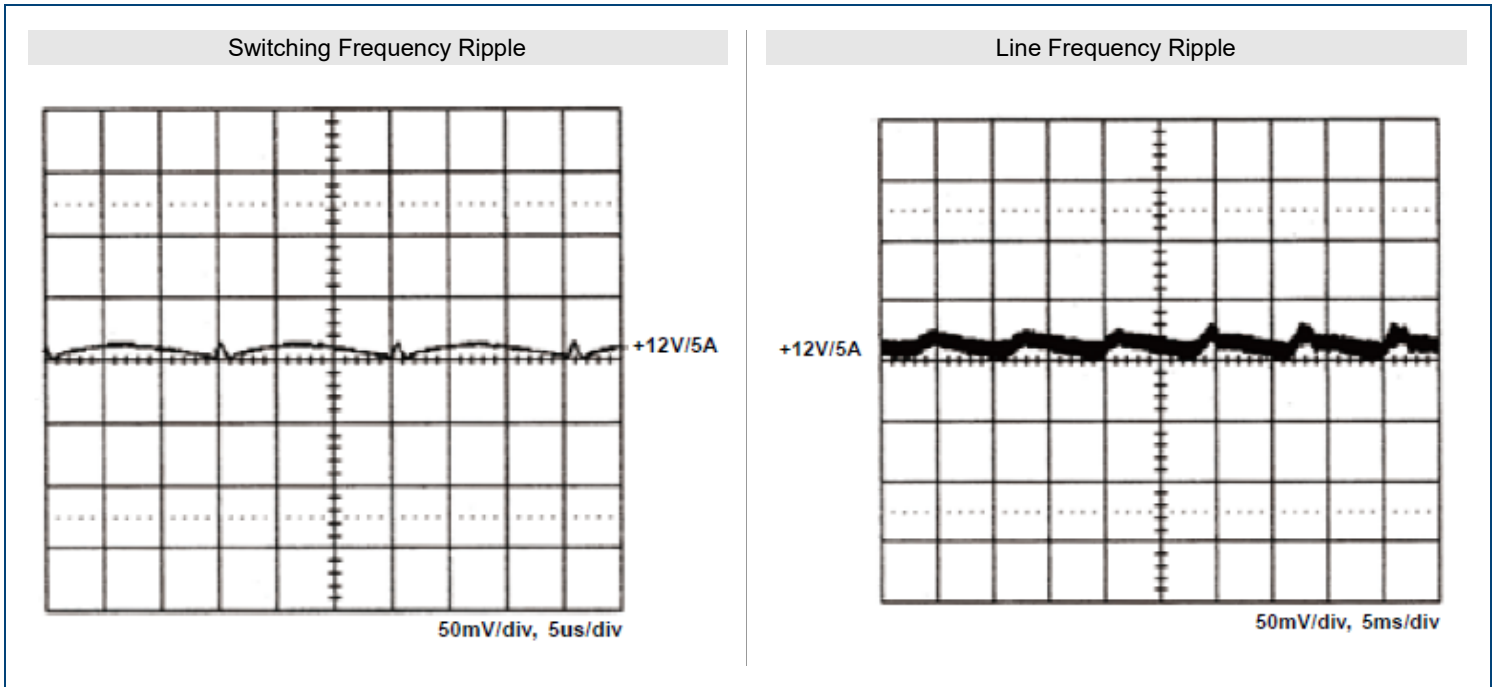
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
GENERAL SPECIFICATIONS					
Isolation Grade	Primary ↔ Ground		1MOPP (1500VAC)		
	Primary ↔ Secondary		2MOPP (4000VAC)		
	Secondary ↔ Ground		1MOPP (1500VAC)		
Leakage Current	Earth Leakage Current			300	uA
	Touch Current			100	
PHYSICAL SPECIFICATIONS					
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	ANSI/AAMI/CSA/EN60601-1, 2nd Edition CB Report CE Mark RM Report/File				
EMI	EN55011 "B" EN61000-3-3				
Harmonics	EN61000-3-2				
EMS	EN61000-4-2, 3, 4, 5, 6, 8, 11				
					Class A

NOTES

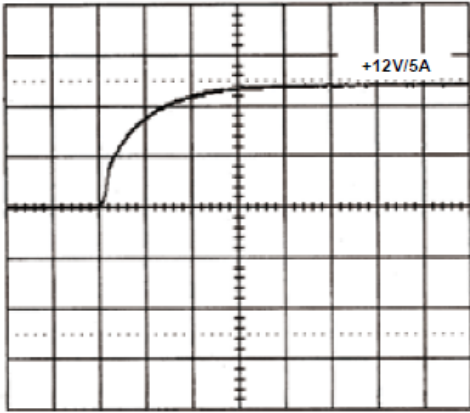
1. Output Load: 60W for convection cooling; 72W for forced air cooling.
2. Peak load can last for 5 seconds.
3. If there is a metal sheet under the power supply, connect the EMI ground to that metal sheet.

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

CHARACTERISTIC CURVES

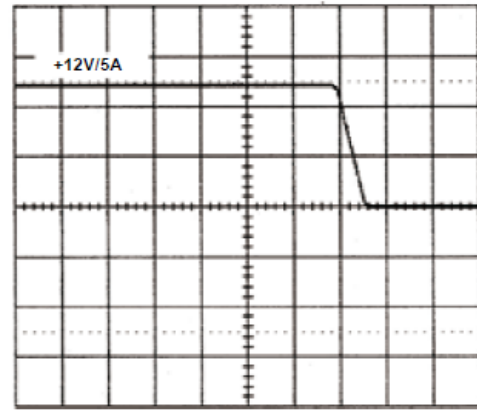


Output Turn On Wave Form



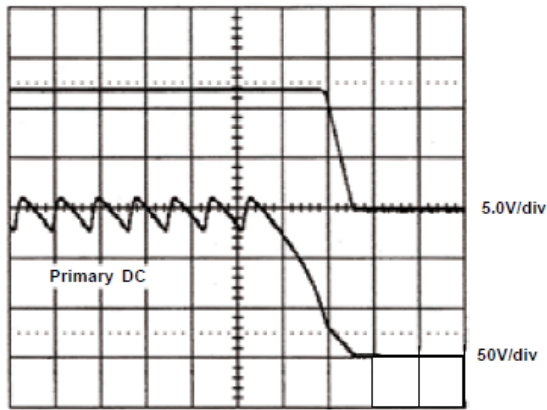
5.0V/div, 10ms/div

Output Turn Off Wave Form



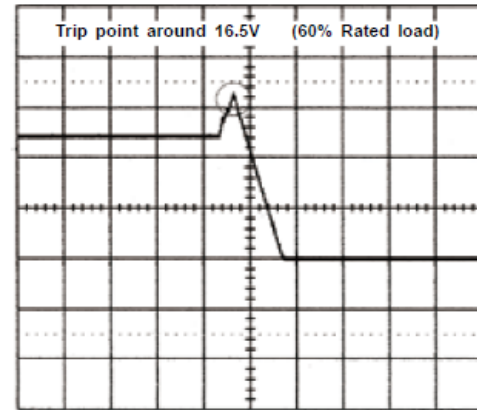
5.0V/div, 10ms/div

Hold-Up Time



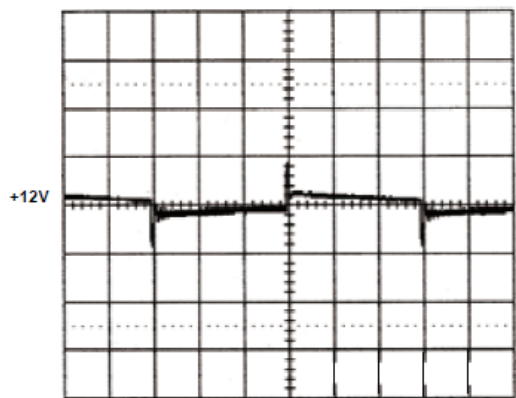
10ms/div

Over Voltage Protection



5.0V/div, 10ms/div

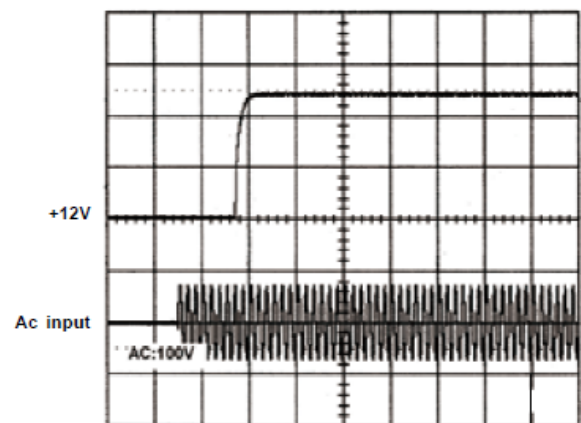
+12V Step Response



200mV/div, 2ms/div

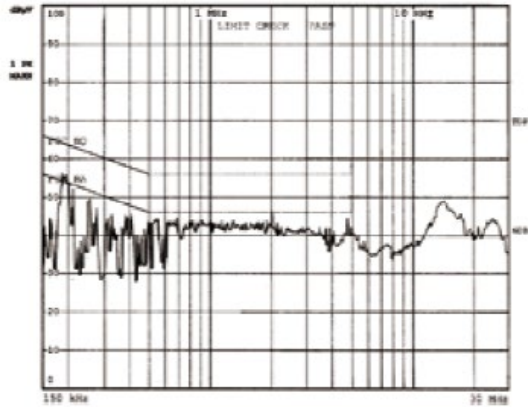
+12V step from 1A to 5A

Start Up Time

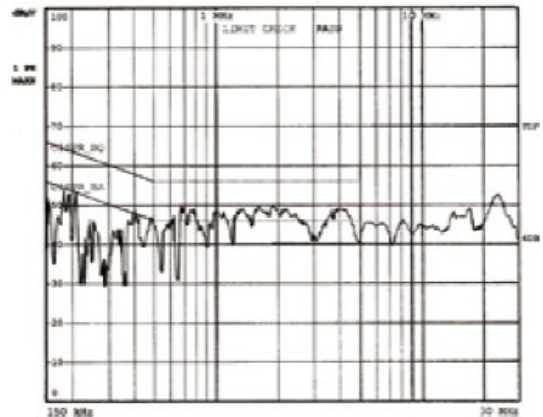


0.1s/div

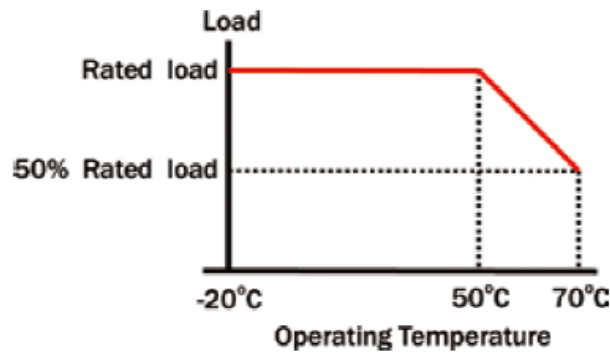
FCC B



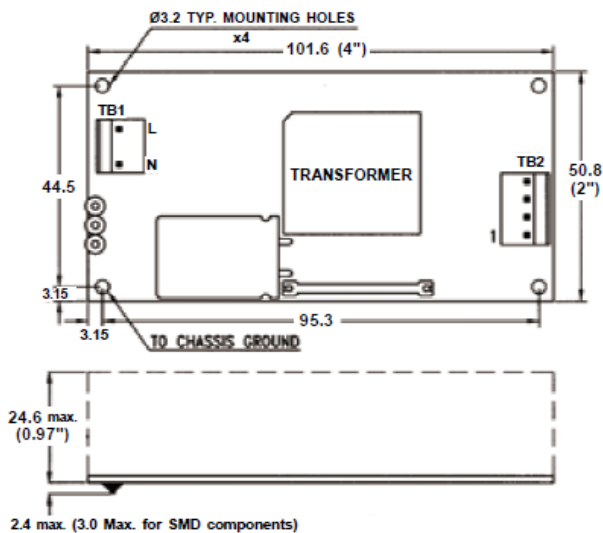
CISPR 22 B



Power Derating Curve



MECHANICAL DRAWINGS



Notes:

1. Mounting Hold: 44.5mm X 95.3mm
2. Connectors:
 AC Input: Molex5277-02A 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: 110g/unit
 Gross Weight: Approx. 14kg/carton, 100 units/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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