



Size: 4in x 2in x 1.12in (101.6mm x 50.8mm x 28.5mm)

FEATURES

- Input Voltage Range of 90-264VAC
- Design for BF application
- Leakage <100uA
- Follows ErP Directive of EU
- High Mechanical Torque Startup
- Safety Class II & EMI Class B
- Convection Cooling for Rated Load
- Forced Air for Max. Load
- Meets 2 X MOPP and Contact
 Over Load, Short Circuit, Over Voltage Protection
 - UL/CSA/EN60950-1, 2nd Edition and ANSI/AMMI/CSA/EN60601-1, 3.1 edition Safety Approvals

DESCRIPTION

The PSSNP-HF8 series of AC/DC medical open frame power supply offers rated output power of 80 watts, maximum output power of 100 watts, and peak output power of 120 watts in a 4" x 2" x 1.12" package. This series consists of single output models with a wide input voltage range of 90-264VAC. Each model in this series has over load, short circuit, and over voltage protection and a high mechanical torque startup. This series has UL/CSA/EN60950-1 2nd edition and ANSI/AMMI/CSA/EN60601-1, 3.1 edition safety approvals. Please call factory for order details.

MODEL SELECTION TABLE																
Model Number ⁽²⁾ Input Volt		ge Output		Output Current			Initial	Output Power		Step Efficiency			Average			
Model Number	Range	Voltage	Min	Rated	Max	Peak	Accuracy	Rated	Max.	Peak	20% Load	50% Load	100% Load	Efficiency		
PSSNP-HF87		12V	0A	6.66A	7.5A	9A	11.8~12.2V	80W	100W	120W	85%	86%	87%	86%		
PSSNP-HF87A	90-264VAC	12 V	UA	0.00A	1.5A	94	11.0 12.2	0000	10000 12000	80%	83%	83%	82%			
PSSNP-HF88		15V	0A	5.33A	6.66A	8A	14.8~15.2V	80W	100W 120W	85%	86%	87%	86%			
PSSNP-HF88A		150	UA	J.JJA	0.00A	OA	14.0 13.2 V	0000		80%	84%	86%	82%			
PSSNP-HF89		24V	0A	3.33A	4.6A	5.3A	23.8~24.2V	80W	W 100W 120V	100W 120W	10014/ 1201	12014/	85%	86%	87%	86%
PSSNP-HF89A		24 V	UA	3.33A	4.0A	5.3A	23.0~24.2V	0000			82%	85%	86%	85%		
PSSNP-HF8T		40\/	0A	1.67A	2 1A	2 71A	47.6~48.4V	80W	00\4/ 100\4/	100W	100W 120W	85%	86%	87%	86%	
PSSNP-HF8TA ⁽²⁾		48V	UA	1.0/A	2. IA	2./ TA	47.0~48.4V	0000	10000	12000	83%	87%	86%	85%		

SPECIFICATIONS						
All specifications a	re based on 25°C, Nominal Input Voltage, and Maximum Output Curre	nt unless otl	herwise note	ed.		
V	Ve reserve the right to change specifications based on technological ac	dvances.				
SPECIFICATION	TEST CONDITIONS	Min	Тур	Max	Unit	
INPUT SPECIFICATIONS						
Input Voltage Range		90		264	VAC	
Input Frequency		47		63	Hz	
Inrush Current	@115VAC			30	Α	
Illiusii Cuiteiii	@230VAC			60	^	
OUTPUT SPECIFICATIONS						
Output Voltage See Table						
Voltage Accuracy See Table						
Output Power				Table		
Output Current		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 for convection cooling	-40		+70	°C	
Storage Temperature		-40		+85	°C	
Operating Altitude			5,000		M	
Cooling	Rated Load	Convection Cooling				
Cooming	Max. Load	Forced Air				

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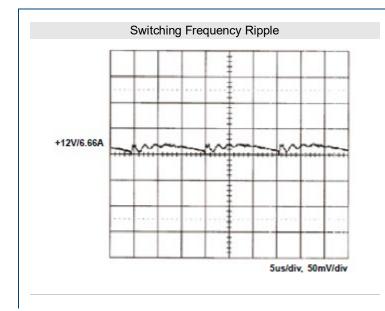
SPECIFICATIONS						
	re based on 25°C, Nominal Input Voltage, and Maximum Output Current		erwise note	ed.		
	Ve reserve the right to change specifications based on technological adv					
SPECIFICATION	TEST CONDITIONS	Min	Тур	Max	Unit	
GENERAL SPECIFICATIONS						
Efficiency				Table		
	Primary ←→ Ground		1MOPP (1500VAC)		
Isolation Grade	Primary ←→ Secondary	2MOPP (4000VAC)				
	Secondary ←→ Ground		1MOPP (1500VAC)		
Lookaga Current	Earth Leakage Current			300	uA	
Leakage Current	Touch Current			100	uA	
PHYSICAL SPECIFICATIONS						
Weight			5.64oz	(160g)		
Dimensions (L v W v H)		4in x 2in x 1.12in				
Dimensions (L x W x H)		(101.6mm x 50.8mm x 28.5mm)				
SAFETY CHARACTERISTICS						
	UL/CSA/EN60950-1, 2 nd Edition ⁽⁷⁾					
	ANSI/AAMI/CSA/EN60601-1, 3.1 Edition	ı				
Safety Approvals	CB Report					
	CE Mark					
	RM Report/File					
EMI	EN55011 "B" EN61000-3-3					
Harmonics	EN61000-3-2				Class A	
EMS	EN61000-4-2, 3, 4, 5, 6, 8, 11					
Energy Saving	Energy Star 6.0 for computers and displays					
Line gy daving	ErP Regulation EC(No) 1275/2008					

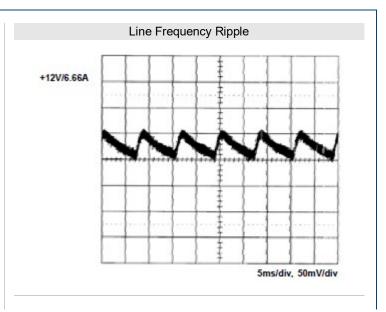
NOTES

- 1. Most power supplies will create audible burst sound at light load, if the application wants to meet input power <0.5W at standby mode. PSSNP-HF8x is for ITE & Medical applications which require standby mode.
 - PSSNP-HF8x-A is for ITE & Medical applications but without burst sound and no standby mode.
- 2. The safety application will be proceeded upon request.
- 3. Standby power consumption with system: for computers and displays, Energy Star in U.S. and ErP regulation in Europe require the input power should be less than 0.5W at standby mode.
- 4. Output Load: 80W for convection cooling; 100W for forced air cooling.
- 5. Peak load duration: peak 120W can last for 5 sec.
- 6. EMI Grounding: if there is a metal sheet under the power supply, connect the EMI ground to that metal sheet.
- 7. This product is Listed to applicable standards and requirements by UL.

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

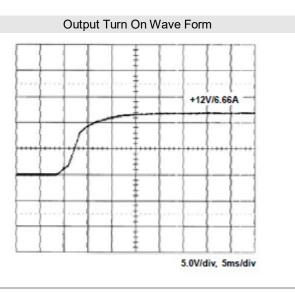
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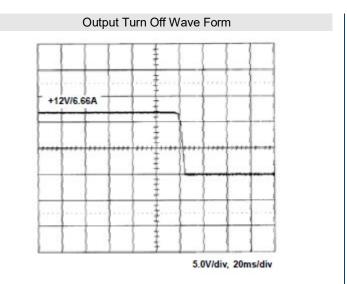


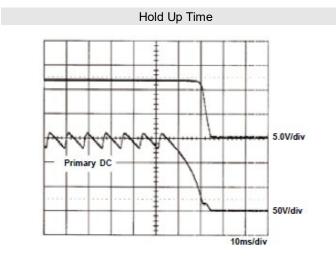


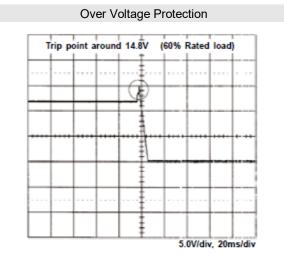
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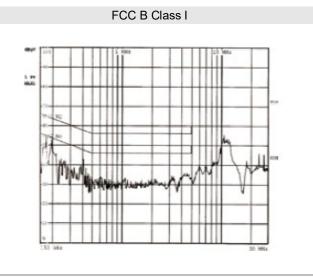


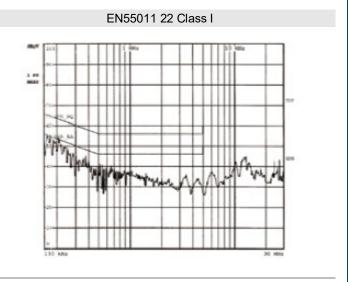




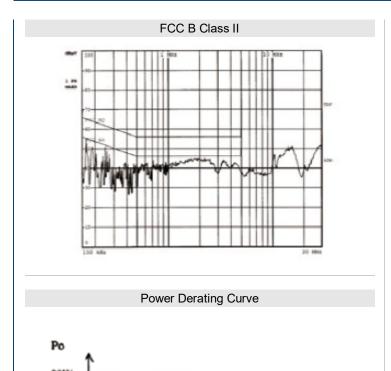






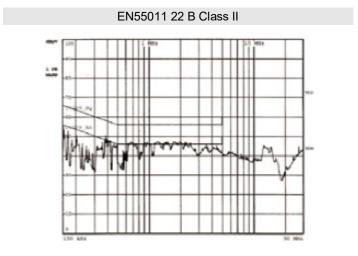


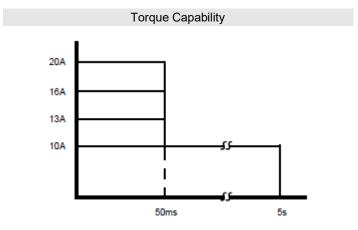




50°C

70℃





MECHANICAL DRAWINGS -

- -40 ℃

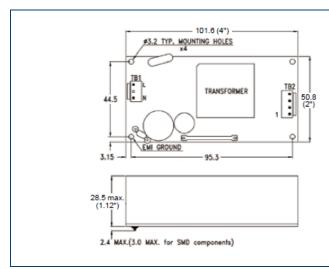
80W

45W

40W

18CFM forced air

Convection cooling



Notes:

- 1. Mounting Hole: 44.5mm x 95.3mm
- 2. Connectors:

AC Input: JST B2P3-VH or Molex 5277-02A or equivalent DC Output: JST B4P-VH or Molex 5273-04A or equivalent

3. Output Pin Assignment

1	2	3	4
Vo	Vo	GND	GND

4. Packing:

Net Weight: Approx. 160g/unit

Gross Weight: Approx. 15kg/carton, 80 units/carton

Carton Size (mm): 382mm (L) x 374mm (W) x 277mm (H)



AC/DC Medical/ITE Open Frame Power Supply

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.

Contact Wall Industries for further information:

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