Size: 10.94in x 5in x 1.69in (278mm x 127mm x 43mm)

FEATURES

- Universal AC Input Range of 85~264VAC (120~370VDC)
- Compact Size
- Built-In Fan Speed Control
- PFC
- 5 Years Limited Warranty
- Over Load, Over Voltage, and Short Circuit Protection
- Optional Remote ON/OFF & Remote Sense
- GB4943, UL60950, & EN60950 Safety Approvals

DESCRIPTION

The PSPFE480 series offers up to 528 watts of output power in a compact and enclosed 10.94” x 5” x 1.69” package. This series features single output models with a full universal input range of 85~264VAC and built-in fan speed control. Features of this series include PFC, optional remote on/off and remote sense, as well as over load, over voltage, and short circuit protection. This series has GB4943, UL60950, and EN60950 safety approvals. Please contact factory for order details.

MODEL SELECTION TABLE

Model Number	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise[1]	Output Power	Efficiency
PSPFE480-12S	85~264VAC (120~370VDC)	12V	43A	150mVp-p	516W	85%
PSPFE480-15S		15V	35A	150mVp-p	525W	85%
PSPFE480-24S		24V	22A	150mVp-p	528W	87%
PSPFE480-48S		48V	11A	240mVp-p	528W	89%

SPECIFICATIONS

All specifications are based on 25°C Ambient Temperature, 230VAC Input Voltage, and Rated Load 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	AC	85		264	VAC
	DC	120		370	VDC
Input Frequency		47		63	Hz
Inrush Current	115V, Cold Start		20		A
	230V, Cold Start		40		
Input Current			9.5		A
Input Leakage Current	@230VAC			1	mA
PF	@115VAC	0.98			
	@230VAC	0.94			
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Voltage Tolerance			±1		%
Line Regulation[2]	Full Load		±0.5		%
Load Regulation[3]			0.5		%
Voltage Adjustment Range			±10		%
Built In Remote Sense		Optional			
Remote ON/OFF Control		Optional			
Output Power		See Table			
Output Current		See Table			
Max. Ripple & Noise		See Table			
Rise Time	@Full Load		50		ms
Hold Up Time	@Full Load		20		ms
PROTECTION					
Short Circuit Protection		Current Limiting, Automatic Recovery			
Over Load Protection	Current Limiting, Automatic Recovery	110		130	%
Over Voltage Protection	Shut Off, Re-Power on to recover	115		150	%
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature	See Derating Curve	-20		+70	ºC
Storage Temperature		-20		+85	ºC
Operating Humidity	Non-Condensing	20		93	RH%
Storage Humidity	Non-Condensing	20		95	%RH
Vibration	10~150Hz, 2G 10min/1cycle, 30min each along X, Y, Z axes				
MTBF		100,000			Hours

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.

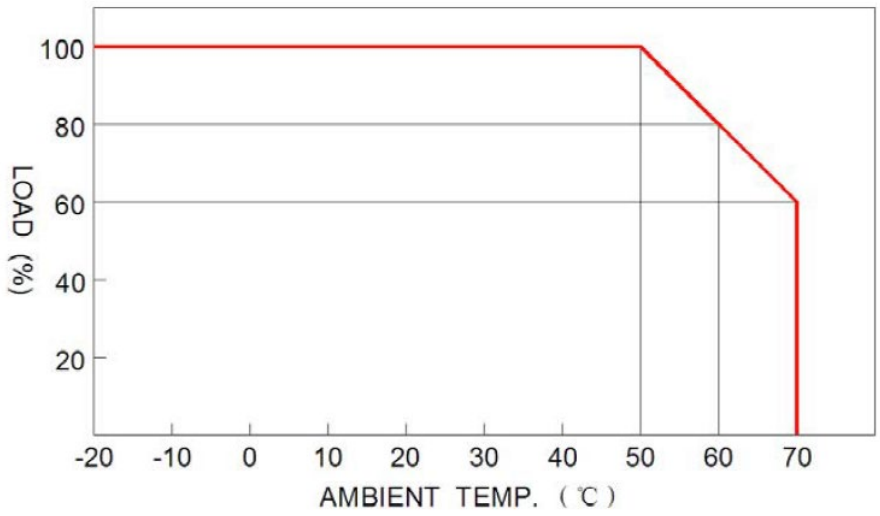
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
GENERAL SPECIFICATIONS					
Efficiency			See Table		
Withstand Voltage	Input to Output		3kVAC/1min		
	Input to PE		1.5kVAC/1min		
	Output to PE		0.5kVAC/1min		
PHYSICAL SPECIFICATIONS					
Weight			3.57lbs (1.62kg)		
Dimensions (L x W x H)			10.94in x 5in x 1.69in (278mm x 127mm x 43mm)		
Packing			1.62kg, 10pcs/18kg/0.042CBM per carton		
Cooling			By Fan, Full Speed After Reaching Setting Power		
Connection			9P/11mm Screw Terminal Block		
SAFETY CHARACTERISTICS					
Safety Approvals	GB4943, UL60950(5), EN60950				
EMC Standards(4)	GB9254				
	EN55022				Class B
	EN55024				
	EN61000-3-2, 3				
	EN61000-4-2,3,4,5,6,8,11				

NOTES

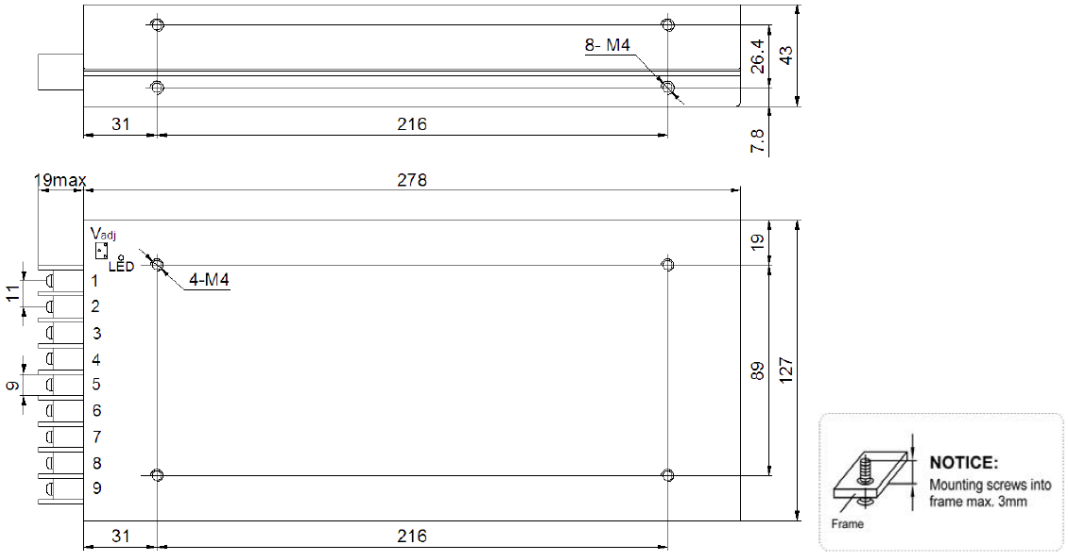
1. Ripple & Noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
2. Line regulation is measured from low line to high line at rated load.
3. Load regulation is measured from 0% to 100% of rated load.
4. This power supply is regarded as a component that will be installed into final equipment. The final equipment must be re-confirmed that it still meets EMC directives.
5. This product is Listed to applicable standards and requirements by UL.

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

DERATING CURVES



MECHANICAL DRAWINGS



Terminal Pin No. Assignment

Pin No.	Assignment
1, 2, 3	DC OUTPUT +V
4, 5, 6	DC OUTPUT –V
7	PE
8	AC/N
9	AC/L

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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