

FEATURES

- PFC > 0.9
- Single Output
- 90~264VAC Input voltage Range
- Output Voltages from 12 to 48VDC
- 5(L) x 3(W) x 1.34(H) inches (127 x 76.2 x 34 mm)
- Over Voltage, Over Load, and Short Circuit Protected



5(L) x 3(W) x 1.34(H) inches

SPECIFICATIONS: PSPW120 Series

All specifications apply @ ±25°C ambient unless otherwise noted

INPUT SPECIFICATIONS

Input Range.....	90-264VAC
Input Frequency.....	47-63Hz
Input Current.....	2.5A max. (RMS) @ 115VAC
Inrush Current.....	< 30A peak at 115VAC cold start @ 25°C < 60A peak at 230VAC cold start @ 25°C

OUTPUT SPECIFICATIONS

Output Current.....	see table
Output Power.....	120W max with convection cooling
Output Regulation.....	see table
Ripple/Noise (20 MHz BW).....	1%
Hold-up Time.....	16ms at 120 watt load & 115VAC nominal line

PROTECTION

Short Circuit Protection.....	Auto recover
Over Voltage Protection.....	Output 110%-130% rated Vo
Over Load Protection.....	Over load protected 150% max.

GENERAL SPECIFICATIONS

Efficiency.....	85% typical at full load
Power Factor.....	> 0.9

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature.....	0°C to +40°C ambient derate each output at 2.5% per degree from +40°C to 60°C
Storage Temperature.....	-10°C to +70°C
Humidity (non-condensing).....	20% to 90%
Temperature Coefficient.....	±0.04% / °C
Cooling.....	free air convection
MTBF.....	80,000 hrs at full load and 25°C ambient temperature

PHYSICAL SPECIFICATIONS

Weight.....	10 oz
Dimensions.....	5 x 3 x 1.34 inches (127 x 76.2 x 34 mm)

SAFETY & EMC

Safety Standards.....	UL 60950-1 ⁽³⁾ CSA C22.2 No. 60950-1 TUV EN60950-1 CB IEC 60950-1
EMC Standards.....	FCC Class B CISPR 22 Class B EN 55022 Class B EN 55024 EN 61000-3-2 Class D CE

MODEL SELECTION TABLE						
MODEL	Output Voltage	Min Load	Max. Output Current (convection cooling)	Output Power	Output Regulation	Ripple & Noise
PSPW120B-1Y12P	12 VDC	0A	10A	120W	3%	120mV
PSPW120B-1Y15P	15 VDC	0A	8A	120W	2%	150mV
PSPW120B-1Y18P	18 VDC	0A	6.67A	120W	2%	180mV
PSPW120B-1Y19P	19 VDC	0A	6.32A	120W	2%	190mV
PSPW120B-1Y24P	24 VDC	0A	5A	120W	2%	240mV
PSPW120B-1Y30P	30 VDC	0A	4A	120W	2%	300mV
PSPW120B-1Y32P	32 VDC	0A	3.75A	120W	2%	320mV
PSPW120B-1Y36P	36 VDC	0A	3.34A	120W	2%	360mV
PSPW120B-1Y48P	48 VDC	0A	2.5A	120W	2%	480mV

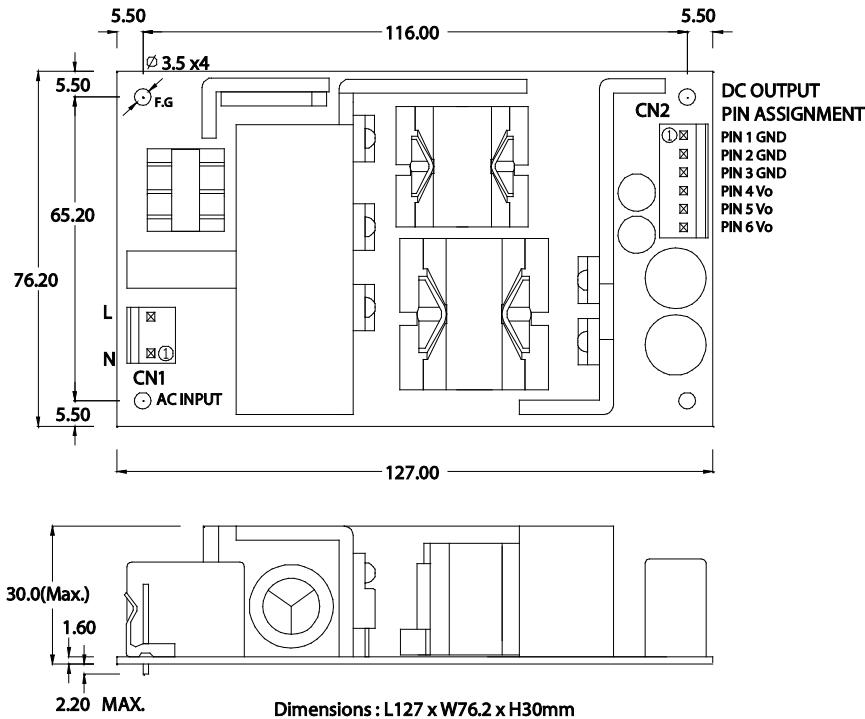
NOTES

1. At 25°C including initial tolerance, line voltage, load currents, and output voltages adjusted to factory settings.
2. Peak-to-peak with 20mHz bandwidth with a tantalum 10uF capacitor in parallel with a 0.1uF ceramic capacitor.
3. This product is Listed to applicable standards and requirements by UL.

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

MECHANICAL DRAWING

Unit: mm



MATCHING CONNECTORS

CN1 = AC INPUT MOLEX P/N: 09-65-2029 (OR EQUIVALENT) FEMALE HOUSING MOLEX P/N: 09-76-1020 (OR EQUIVALENT)
 CN2 = DC Output MOLEX P/N: 09-65-2068 (OR EQUIVALENT) FEMALE HOUSING MOLEX P/N: 09-52-4064 (OR EQUIVALENT)



Rev A

Wall Industries, Inc.

PSPW120 Series
120 Watts with PFC
5" x 3" x 1.18" Single Output
AC/DC 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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