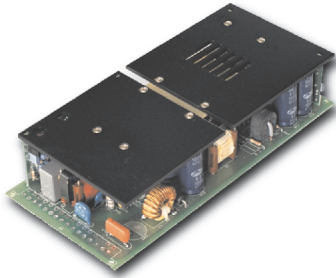


PRP-250 Series

The Power To Make It Happen

Pure Sine Wave Inverter Industrial Applications



Features

- Switch Selectable Frequency
- Wide -0°C to +70°C Operating Temperature
- High Input-Output Isolation
- High Reliability and High Efficiency
- Advanced Microprocessor Design
- Overload Protection
- Simple Installation and Maintenance
- 100% Burn-in, 1 Year Warranty
- FCC Class B EMI

Product Selection Chart

Model Number	Nominal Input Voltage	Input Voltage Range	Output Voltage	Total Power	Efficiency	No Load Input Current
PRP-250-122	12VDC	9.6-14.4VDC	230VAC	180VA	82%	<0.8A
PRP-250-242	24VDC	19.2-28.8VDC	230VAC	200VA	84%	<0.4A
PRP-250-482	48VDC	38.4-57.6VDC	230VAC	220VA	85%	<0.2A
PRP-250-722	72VDC	57.6-86.4VDC	230VAC	220VA	85%	<0.15A
PRP-250-1152	110VDC	92-138VDC	230VAC	220VA	86%	<0.1A

Add Suffix "B" for Industrial Product
120VAC Output Voltage Models Available. Contact Schaefer for Details.

Product Specifications

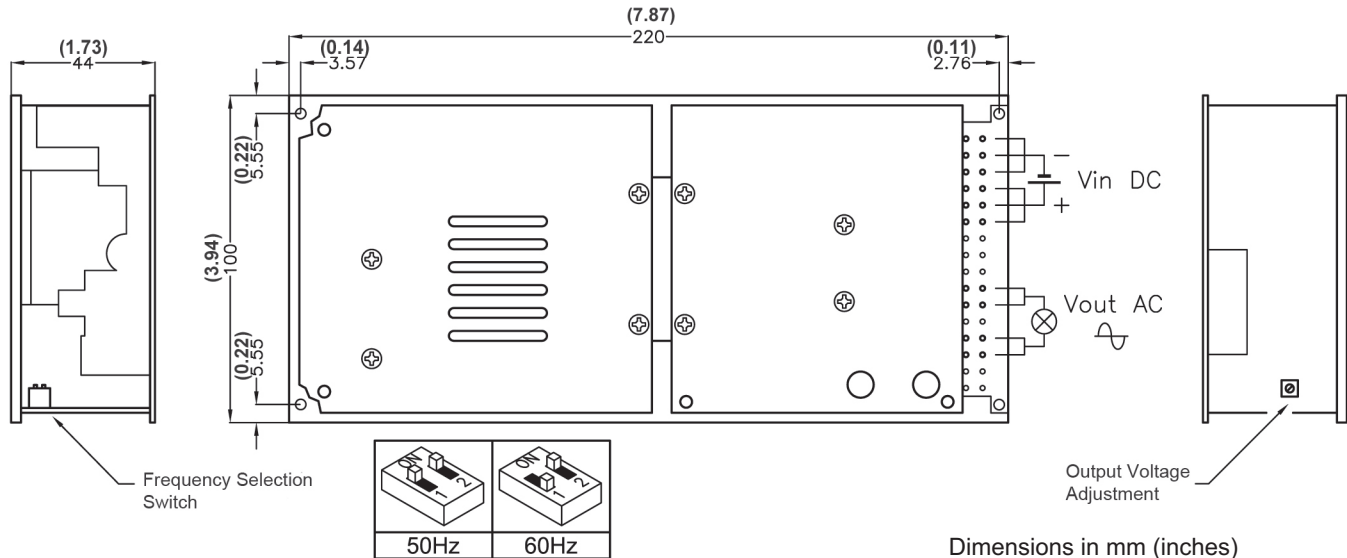
INPUT	
Input Voltage Range	See Product Table
Input Ripple	5% V _{in} Nominal
OUTPUT	
Output Voltage	See Product Table
Output Peak Current	4A
Output Frequency	50/60Hz (sw itch selectable)
Output Frequency Tolerance	+/-3%
Load Regulation	<5%
Line Regulation	<0.2%
Output Wave Distortion (THD)	<4%
ENVIRONMENTAL	
Operating Temperature	Full Load: 0C to +50C 50% Load: 0C to +70C
Storage Temperature	-25C to +80C
MTBF	160K hours per MIL-HDBK-217E @ 25C
SAFETY & EMC	
Input to Output Isolation	3000Vrms / 50Hz / 1 minute
Safety Standard	Meets EN60950
Immunity Industrial	Meets EN50082-1
Emmissions Industrial	Meets EN50081-1



PRP-250 Series

Pure Sine Wave Inverter Industrial Applications

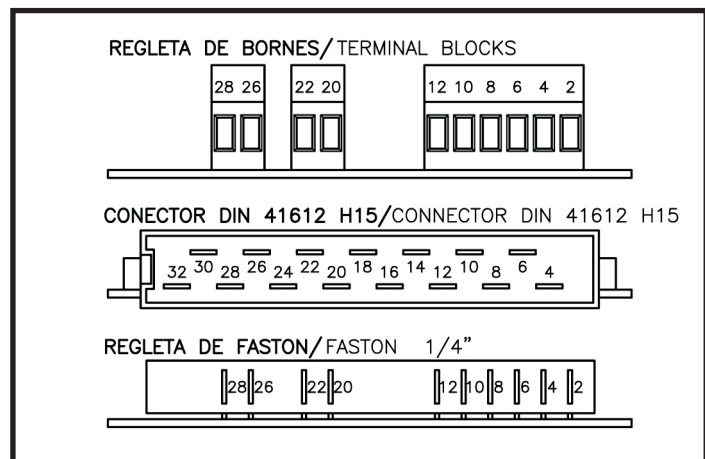
Mechanical Specifications



Installation Notes

- Output connector options:
 - Terminal Block
 - H15
 - Faston
- Mounting via 4-M4 inserts. Maximum screw depth is 4.5 mm.
- Optional base (NP-9125) or base&cover (NP-9134) available. DIN Rail clip (NP-9135) also available.
- Vertical mounting recommended for convection cooled environments. Allow spacing for natural airflow.
- Please make all connections per Pin Assignments.
- Default frequency is set to 50Hz. Change dip-switch setting for 60Hz operation.
- Avoid prolonged overload conditions.
- An external fuse should be added at the inverter input. 12VDC:30A, 24VDC:15A, 48VDC:8A 115VDC:4A
- Provide the unit with a protective enclosure that complies with the appropriate electrical safety directives for the installation location.

Output Connector/Pin Assignment



Pins	Function
2,4,6	-Vin
8,10,12	+Vin
20,22	Vout
26,28	Vout