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## Description

Power Innovations International's (Pii) inverter shelf accepts three of Pii's hybrid inverters to create a single 10 kW-rated power unit in a 1RU-height, 19"-wide rack mount enclosure. This inverter shelf also holds Pii's shelf controller (SC) to provide the necessary communication for the modules within the shelf as well as the upstream rack controller. The inverter shelf is designed to be capable of physically stacking multiple units in parallel to achieve higher power and/or expanded system functions.

## Features and Benefits

- Holds three inverters per shelf (swappable during standby), along with one shelf controller (SC)
- Has a built-in capability to parallel multiple power shelves to achieve higher power and/or expanded system functions
- 1RU high, 19" wide, 17" deep rack mount

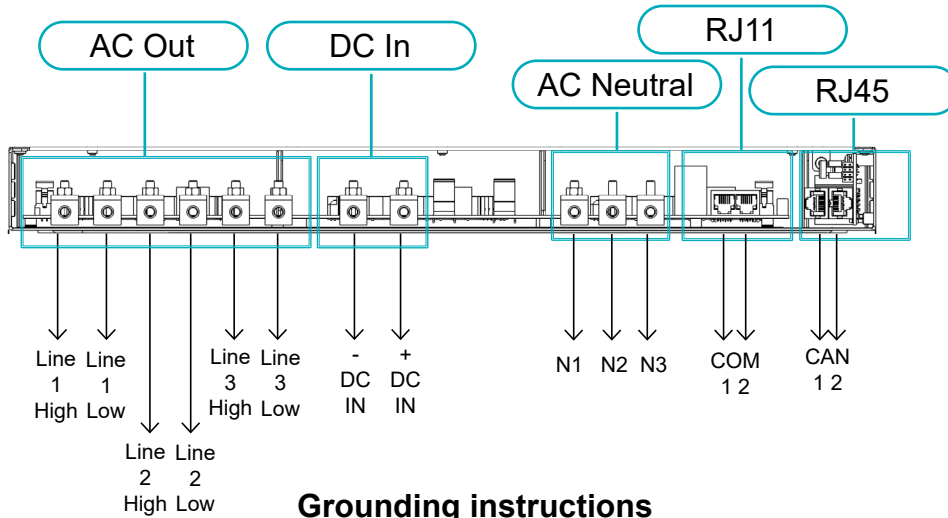


## Specifications

Mechanical	
Dimensions (W x H x D)	17.56" x 1.72" x 17.06" (446 mm x 43.75 mm x 443.3 mm)
Weight	9.5 lbs (4.3 kg) without modules and shelf controller
Form Factor	1 Rack Unit (RU) height, 19" rack mount width
Environmental	
Operating Temperature	-40 °C to +65 °C
Storage Temperature	-40 °C to +85 °C
Humidity	10% to 90% relative (non-condensing)
Altitude	Operating: 0 m to 3000 m Storage: 0 m to 15000 m
EMI	CISPR 22 Class A -6dB
Connections	
Input/Output Busbar Screw Size	M5
General	
Safety Standards	Conforms to UL1741 & IEC62368

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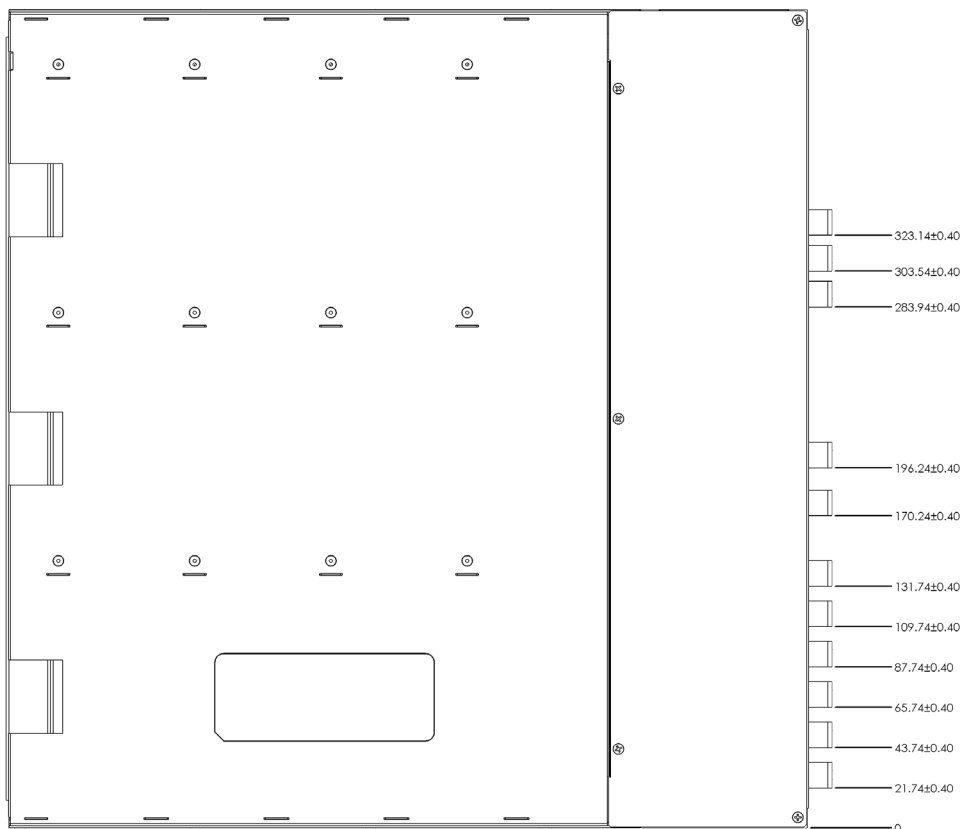
Rear Panel



To conform to UL1741 system levels, this unit must be connected to either (a) a grounded, metal, permanent wiring system, or (b) to an equipment-grounding conductor with circuit conductors and connected to an equipment-grounding terminal.

To do so, connect the power wires with cable lugs to the input terminal marked with “N1”, “N2”, and “N3” using 3x M6.0 screws. Connect the ground wire into the earth terminal with a ground symbol using 1x M6.0 screw.

Product Dimensions (mm)



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**Front Panel**



1	Shelf Controller	Pii Shelf Controller Part Number: CM-12CM-P10U
2	Inverter Modules	Pii Inverter Part Number: IM-2332-01Px-LF

**Life Support Policy:** Power Innovations International (Pii) does not authorize the use of any of its products for use in life support devices or systems without the express written approval of an officer of the Company. Life support systems are devices which support or sustain life, and whose failure to perform, when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in significant injury to the user.

Pii reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Pii also reserves the right to change or update, without notice, any technical information contained in this bulletin.

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