

LITEON GROUP

Description

Power Innovations International's (Pii) DC converter shelf accepts three of Pii's 12-24 Vdc converters to create a single 10 kW-rated power unit in a 1RU-height, 19"-wide rack mount enclosure. This converter 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. It 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 DC-DC converters 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

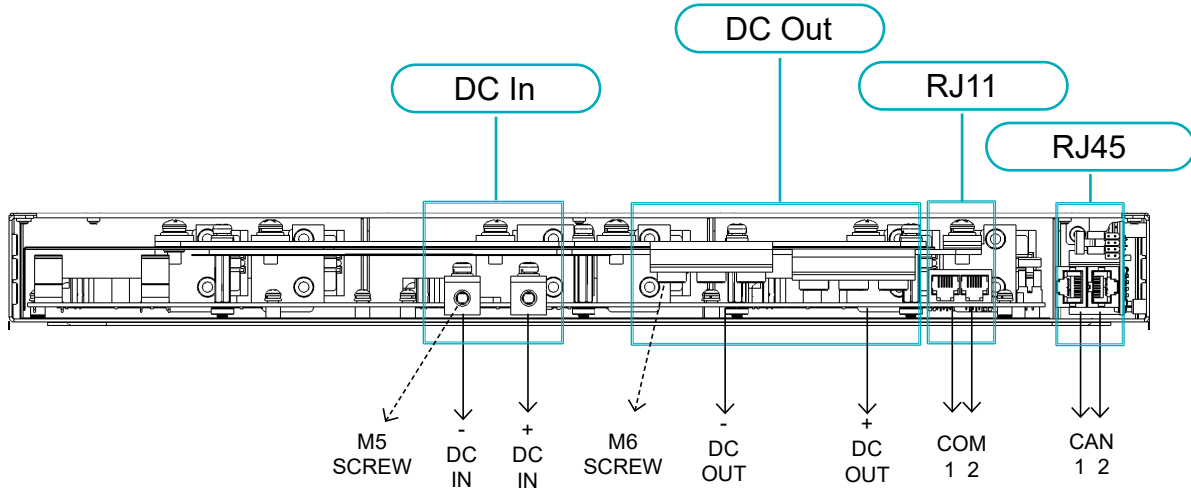


Specifications

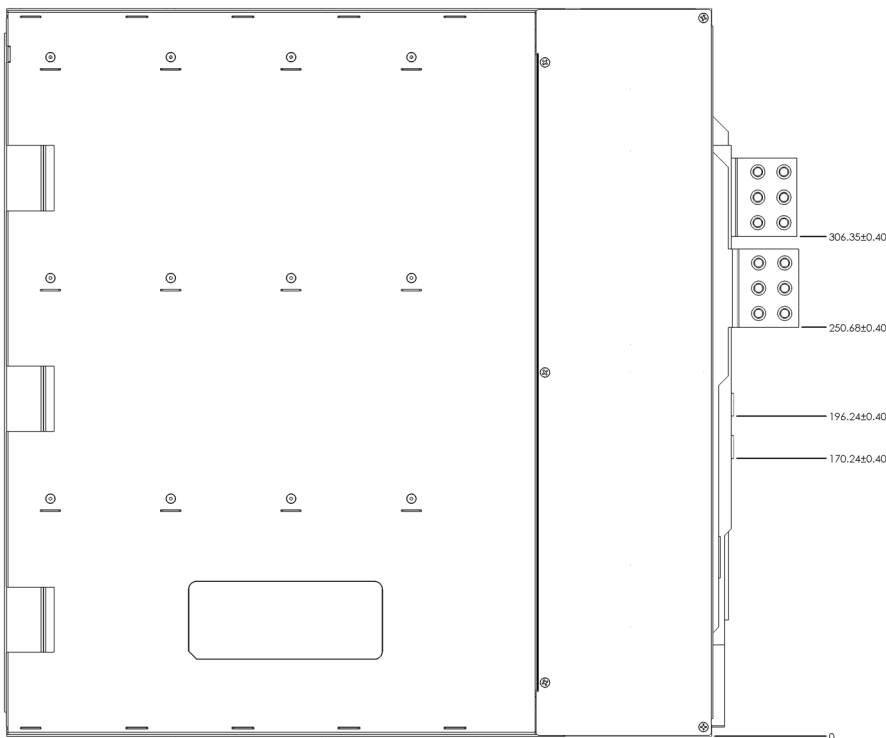
Mechanical	
Dimensions (W x H x D)	17.56" x 1.72" x 17.06" (446 mm x 43.75 mm x 443.3 mm)
Weight	9.5 lbs (4.3 kg) without modules and shelf controller
Form Factor	1 Rack Unit (RU) height, 19" rack mount width
Environmental	
Operating Temperature	-40 °C to +65 °C
Storage Temperature	-40 °C to +85 °C
Humidity	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	
Stud Hole Spacing	16 mm
General	
Safety Standards	Conforms to IEC 62368-1; CB certification; CE marking

LITEON GROUP

Rear Panel

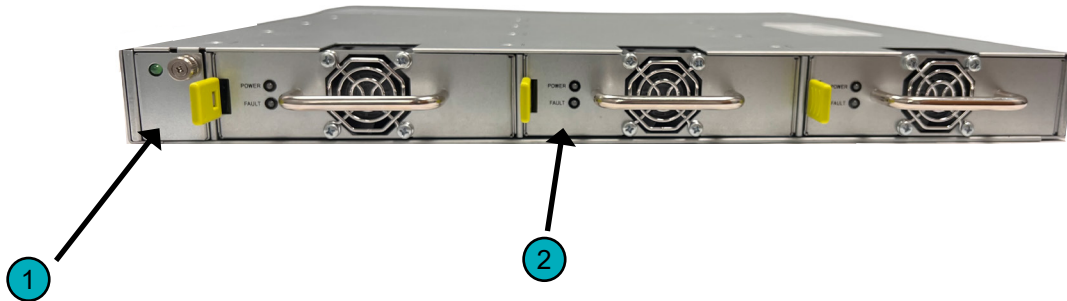


Product Dimensions (mm)



LITEON GROUP

Front Panel



①	Shelf Controller	Pii Shelf Controller Part Number: CM-12CM-P10U
②	PSU Modules	Pii PSU Part Number: DD-1302-TH12 (12 V converter) or DD-1302-01Px-ROHS (24 V converter)

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.

Document No.: DATA128
Last Updated: February 25, 2025

Power Innovations International
1305 South 630 East
American Fork, UT 84003
United States
www.PowerInnovations.com