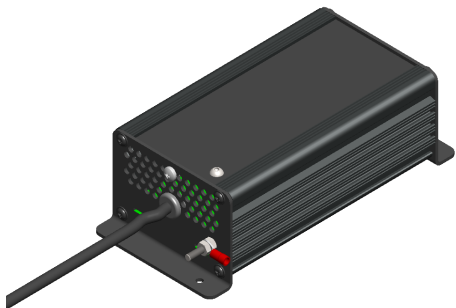
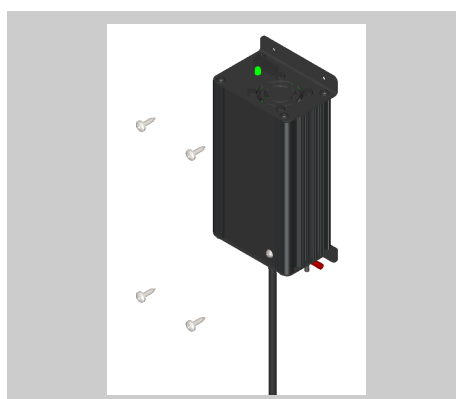


## OPERATING & ASSEMBLY INSTRUCTIONS

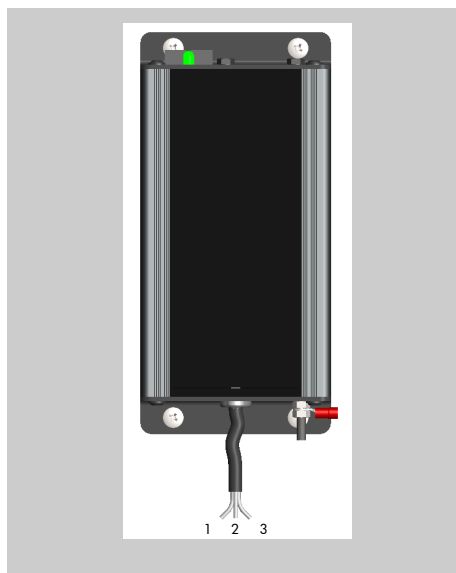
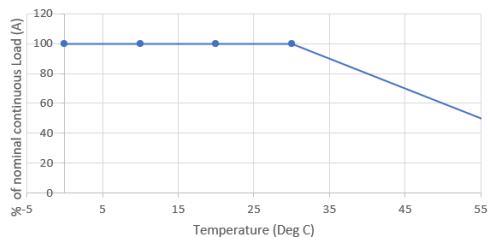
### PRi SERIES 110V DC-DC RAIL CONVERTERS



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Current Derating Curve



## SAFETY

- PACKING CONTENTS
  - 1 x Power Converter with flying input leads
  - 4 x Mounting screws
  - 2 x Faston crimps
- SAFETY
  - The device must not be exposed to severe mechanical shocks
  - The device must not be exposed to extreme temperature, direct sunlight or vigorous vibration. Nominal operating range is -20 to +55 degrees C
  - It is an IP20 rated product and thus it should be protected from water drips or spray
  - During operation the unit can be hot to touch. Therefore it must be positioned so that during operation it is not readily accessible
  - Do not install this device on hot vehicle parts and ensure there is sufficient space around the device for air circulation and cooling
  - The wiring harness should be protected by external fuses (both for input and output) correctly chosen for the intended system
  - The unit must be installed with an external multipole power switch to facilitate connection or disconnection of the device
  - Isolate power to the circuit prior to working on the system
  - During installation ensure that the unit is correctly wired (polarity and voltages) prior to switch-on. Incorrect installation could damage both the unit and the external circuitry
  - In case of problems, do not open or repair the product
- FEATURES
  - Safety limited for heat and current
  - Dust and water resistant to IP20
  - LED to indicate that there is power at the output terminals
  - If required, there is an additional Earth bonding point on the rear face of the unit

## ENGLISH

## ASSEMBLY

- ASSEMBLY
  1. Select a cool and ventilated position to install the unit which is out of direct sun light, water drips or spray
  2. The unit can be mounted vertically or horizontally
  3. Isolate the power to the wiring before commencing the installation
  4. Drill 4 off 3.5mm diameter holes for the mounting screws
  5. Mount the unit in the desired position and wire in position

## ■ THE CONNECTIONS

Isolate the circuit before connecting or disconnecting the device. Connect the unit as detailed below:

### Input

Cut the input cable to the desired length. Note that the wire cores are numbered.

1. Input Positive
2. Input Negative
3. Input Earth

### Output

- +VE Positive output
- OV OV Output

## ENGLISH

## INFORMATION

### ■ TECHNICAL DATA

Part Number	Nominal Voltage (actual voltage V)	Continuous Current (A)	Dimensions L x W x W (mm)	Weight (g)
PRi110-12 108	12 (13.6)	9	184 x 87 x 50	735
PRi110-24 108	24 (27.2)	4.5	184 x 87 x 50	735
PRi110-48 108	48 (54.4)	2.2	184 x 87 x 50	735

Nominal power 108W  
Input current @110V -1.3A

### ■ WARRANTY

Within the warranty period of three years faulty units returned to us will be repaired or replaced free of charge. Usually, repaired faulty items are despatched within 48 hours of being received. We have no control over the way the units are installed, the type of electrical system the units are installed on, the environment and the condition of such systems, neither can we control the type of load that is applied. So our guarantee is limited to cover our product.