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 < Rolling Stock

Premium

Safe and Robust Solutions for the Rolling Stock Market

Our transport systems aim for performance, efficiency and maximum energy. In addition, the development of these solutions always has one final focus: the safety and well-being of passengers. Premium PSU achieves this by offering safe and robust solutions that faithfully comply with the standards of the railway market.

When travelling, there are multiple Premium devices that work in order to get us to our destination. Railway safety is present in all the elements that make up the railway system, from the communications to the lines or procedures. **With this in mind, the company based in Barcelona guarantees that all products comply strictly with the regulations**, offering solutions that cover a wide variety of rolling stock applications. The company has worked with worldwide manufacturers and suppliers of transportation systems since 1981, which places them as a trusted technological partner.

A Wide Catalogue

Premium's catalogue stands by their standard range of DC/DC converters, DC/AC inverters and custom-made power supplies that comply with regulations. **The wide knowledge of the company allows Premium to develop a product from scratch, reducing costs and delivery times.** As a result, it ensures a reliable and long life in hostile environments. **Premium's range of DC/AC inverters** is an excellent example of variety and availability, prioritising a **compact design** without sacrificing security and reliability.

Premium solutions can be found in vehicles such as trams, light rail, subways, locomotives or on-board equipment from all over the world and in applications like HVAC systems, auxiliary and emergency systems, propulsion systems and low-battery starters, among others.

Custom Process

One of Premium's specialities is custom-made products, that fit the needs of each application regardless of the size of the project. Premium's customisation is a 360 process: we design, test, validate and manufacture all of our solutions



in our facilities in Barcelona with a team of more than 50 engineers. **We assist the customers throughout the whole process and offer technical advice based on a unique know-how to make the solution excellent.**

Premium continually strives to achieve the necessary means to elevate solutions and exceed the costumers' expectations.

New Product Designed for the Railway Market

The new CLS-120 DC/DC converter

is the perfect fit for railway applications and allows for operation with battery voltages **between 14.4 and 154VDC.**

This new series offers a high input-output isolation and is available with **output voltages of 12V, 24V, and 48V.** It can operate at 85 °C (OT6 with derating) and has been designed according to EN50155 (Class S2: hold-up time 10ms). All models are convection-cooled, can be DIN rail, wall and rack-mounted and offer optional Oring and remote sensing. The CLS-120 is protected against overload and short-circuits by means of a current

limiting circuit and against reverse polarity input voltage.

40 Years By Your Side

This year Premium is turning 40. The key to the company's success is a team of the best R&D engineers and their capacity to keep on innovating and giving shape to power the future.



Premium
40 Years Powering Your Challenge

THE PERFECT FIT FOR BATTERY VOLTAGES BETWEEN 14,4Vdc AND 154Vdc

Wondering where to find a DC/DC converter able to work with both a 24Vdc and a 110Vdc source?

CLS-120: New 120W wide input range DC/DC converter

- High input-output isolation
- Wide input voltage range: 14,4 ... 154Vdc
- Output voltage: 12V, 24V and 48Vdc
- Available options: embedded Oring & remote sensing
- Operating temperature up to 85°C (OT6 with derating)
- Class S2: hold-up time 10ms
- Fanless - convection cooled
- Conformal coating
- Easy install: wall mount, DIN rail, rack mount



Premium
Powering Your Challenge

Learn more at www.premiumpsu.com

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