

# Martek Power announces new DC/DC Modules for Railway Applications

- Wide Nominal 24 to 110VDC Input range
- PCB Mounting with Integral Heatsink

A new series of 120W **DC/DC modules** designed specifically for worldwide railway applications is announced by **Martek Power**. The **CMR120 Series** will interest designers of railway power supplies since they feature a very wide input voltage range, meet all relevant railway standards including EN50 155 and work across a broad operating temperature range without derating.

Designed to be PCB mounted, CMR Series modules are compact, measuring 92 x 45mm and just 20mm high - including an integral extruded aluminium heatsink. PCB connection is by 1.5mm diameter pins.

According to Martek Power, the new modules can be easily integrated into a customer's own power supply design using a minimum of external components. However, users can also use Martek Power to develop a custom power solution based around the CMR120 modules as "building blocks". Since the modules are available and already qualified to railway standards, this can provide a faster and more reliable route to market.

The new DC/DC modules accept a very wide range of input voltages across two versions. The low input version has range from 12 to 50.4VDC with nominal inputs of 24 and 36VDC. The high input version has a range from 43.2 to 154VDC with nominal inputs from 72 to 110VDC. Output voltages are 12 and 24V. Operating temperature range is -40°C to +85°C.

Under nominal conditions, the modules are 90% efficient and incorporate over-voltage and short circuit protection.

## About Martek Power

Martek Power is a world leader in the design and manufacture of standard, modified-standard, and custom power supplies and converters. With design and manufacturing centers in Europe, North America, North Africa, and Asia, and now Mainland China, Martek Power is uniquely qualified to satisfy customers in worldwide markets with local technical and customer service support. The company has over 40 years' experience supporting OEMs to engage in medical, networking, telecom, data storage, transportation, computing, aerospace, military, instrumentation, and other industrial applications.

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