

## 300W Railway DC/DC Features 110VDC Output and 12:1 Input Range

RECOM has extended its 300W railway DC/DC range with the cost-effective RMD300-110-110SUW model, featuring a fully regulated 110VDC output. Input range is ultra-wide 12:1 or 16.8V to 137.5V, to cover all common nominal rail voltages worldwide, with dips and surges according to standard EN 50155. Operation is allowed to 14.4V for 100ms and to 170VDC for three seconds and hold-up of 10ms minimum is also included across the whole input range, to allow for supply dropouts with no loss of function.

The product complies with environmental standards including EN 60068 for temperature testing and EN 61373 for life, shock and vibration testing in Class B body-mount applications. Reliability is 1.36M hrs MTBF calculated at 40°C according to IEC 61709/UTE C80-810 and design lifetime is 20 years, rated 'Useful Life Class' L4, according to EN 50155.



Full protection is included against input reverse polarity and under-voltage, over-temperature, and output over-current, short circuits and over-voltage. For increased power or redundancy, an output OR-ing diode function is included for paralleling outputs. Control and monitoring features include remote ON/OFF, current share pin, output trim, and a Power OK signal indicated by an LED and volt-free relay contacts.

“Our RMD300 range now includes 110VDC output which is ideal for powering downstream railway equipment that has a limited input range” comments Marco Kuhn, product manager DC/DC Plug & Play of RECOM. “The DC/DC is fully compliant with rail specifications without need for external components”.

Datasheets and additional information can be found on: <https://recom-power.com>