

## 40W and 75W Railway DC/DC

RECOM is announcing two new cost-efficient DC/DCs for the rail market with an ultra-wide 11:1 input range to cover all nominal input voltages from 24V to 110VDC, with 24V output and a 12V and 15V output version coming soon. Models RMD40-UW and RMD75-UW have trimmable outputs with reinforced isolation, rated at 40W (60W/10s boost) and 75W (90W/10s boost) respectively. The parts are offered as lightweight baseplate-cooled modules and thanks to their high conversion efficiency of better than 90%, they can operate at full power for OT4+ST1&ST2 classes from -40°C to +85°C with no additional cooling in any mounting position.



A wealth of features is incorporated as standard, including EN50121-3-2 filtering and disturbance protection, input reverse polarity protection, inrush current limiting, remote on/off, power-good signal/contacts, output trim and internal OR-ing diode for paralleling/redundant operation. An active hold-up circuit provides  $\geq 10\text{ms}$  ride-through across the whole input range. Comprehensive protection is included against short circuits, over-current, over-temperature and over-voltage. Along with comprehensive EN50155 certification and approvals for rail applications, these features make for easy 'plug and play' system integration with 'fit and forget' confidence from a high MTBF figure and 20 year design lifetime/useful life class L4.

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