



DC/DC Power Supplies for E-Mobility

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and

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Transportation – Railway – Special Applications

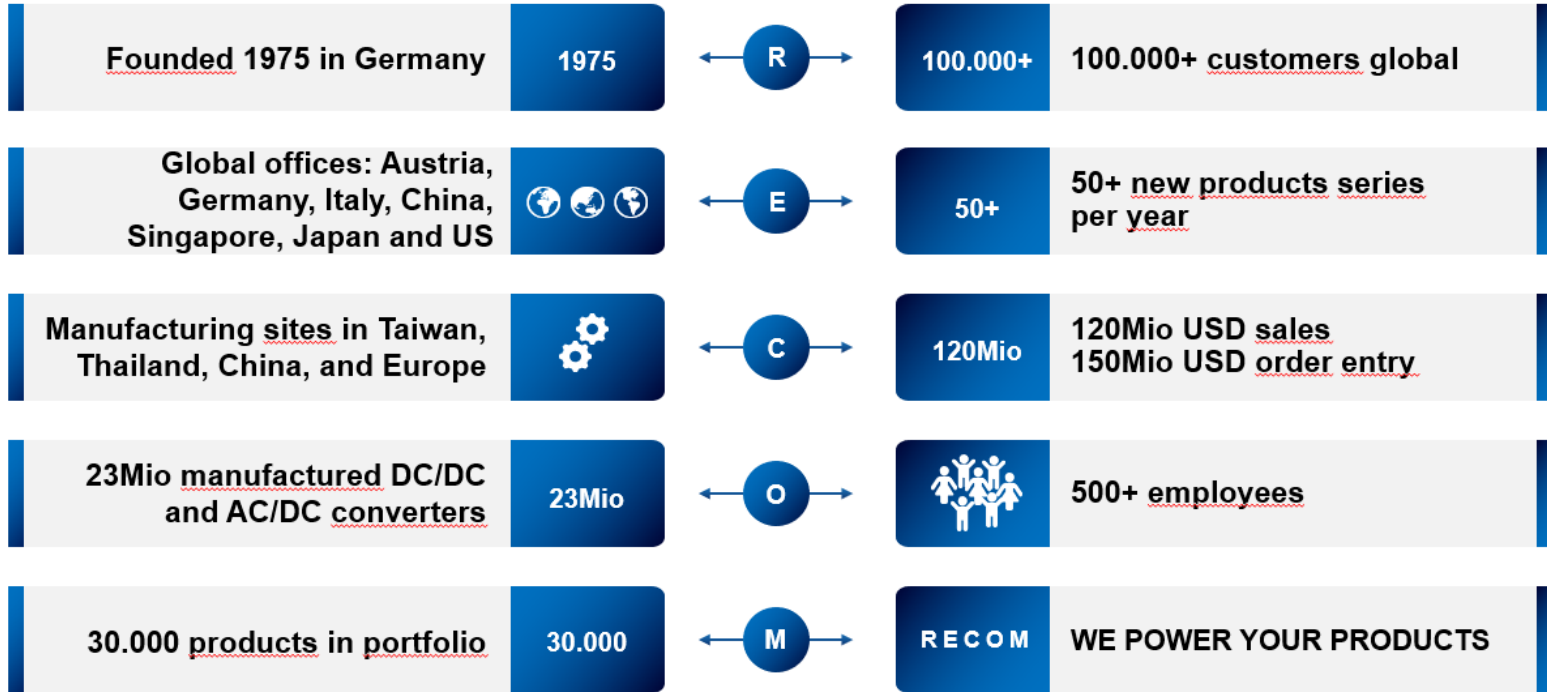
RECOM Group

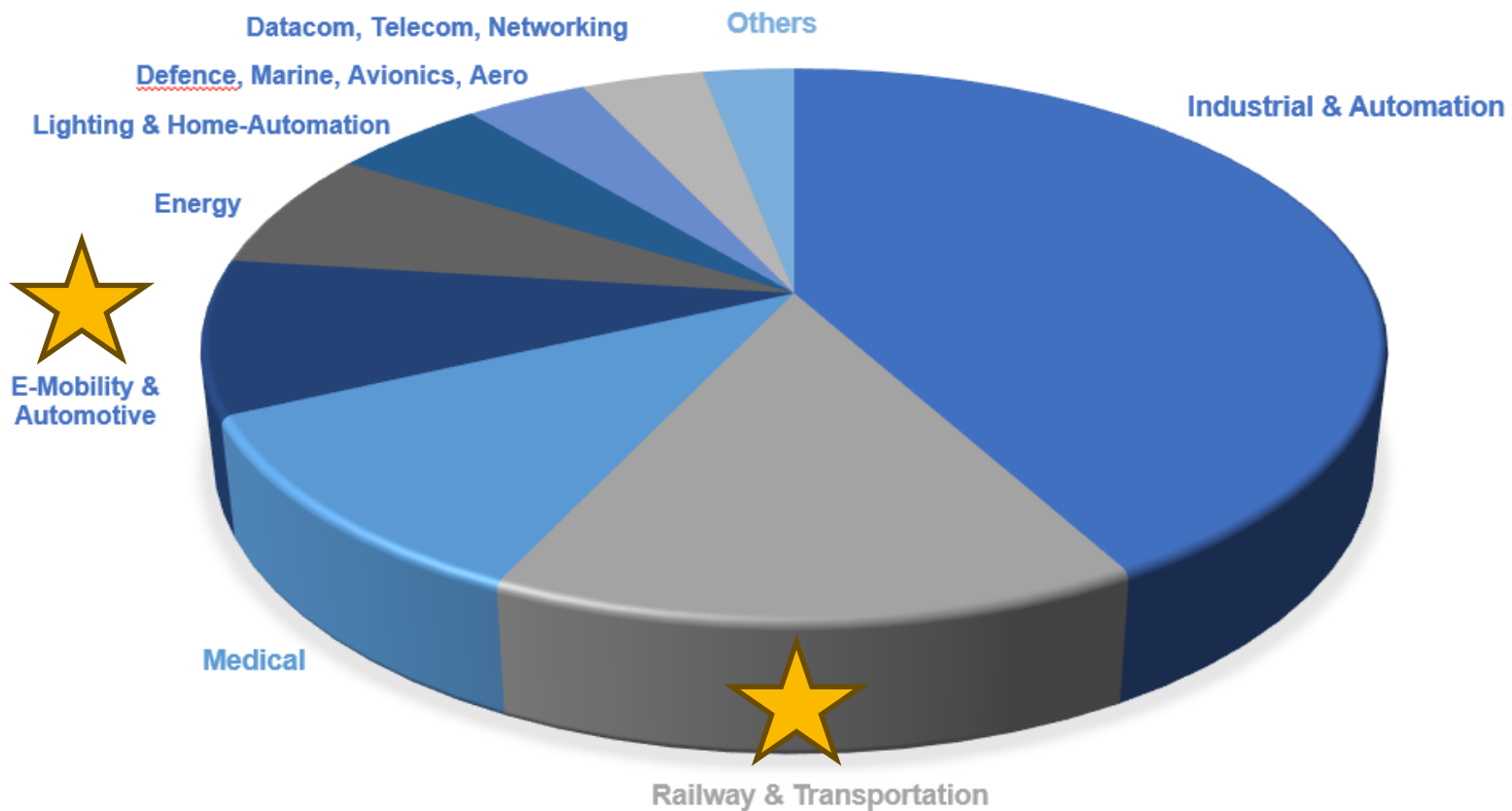
a leading global brand for innovative
AC/DC & DC/DC converters...

- ... one of the fastest growing power supply companies on the market
- ... provides a world class global distribution network
- ... offers excellent design-in and after-sales technical support
- ... simplifies and speeds up the development process of power supply design
- ...specialists for industrial, medical, mobility and railway power supplies
- ...headquartered in **Gmunden, Austria**



Hard Facts RECOM Group 2022





Off-Highway and E-Mobility

- What is Off-Highway?
 - Off-Highway refers to vehicles that do not travel on public roads.
- What kinds of vehicles are Off-Highway?
 - For example, vehicles meant for use on construction sites or airports, people-movers or golf cars, as well as vehicles designed to be used indoors, such as pallet loaders, fork-lift trucks and Automated Guided Vehicles (AGVs) used in warehouses.
- Why is e-mobility so important for Off-Highway vehicles?
 - Off-highway vehicles are traditionally powered by internal combustion engines, which limits their use to outdoor or well-ventilated areas. However, there is a growing trend towards replacing them with clean, environmentally friendly, emission-free electric vehicles (EV's).



Source: Alkè

Off-Highway and E-Mobility – Applications

Utility Vehicles

- Airport Equipment
- Construction vehicles
- Mining equipment
- Diggers, excavators, loaders
- Road sweepers, snow clearers
- Municipality vehicles



Source: wackerneuson



Source: Epiroc

Off-Highway and E-Mobility – Applications

People / Goods Transport

- Golf carts
- People movers & shuttle busses
- Distribution vehicles
- Sightseeing cars



Source: Eagle-EV



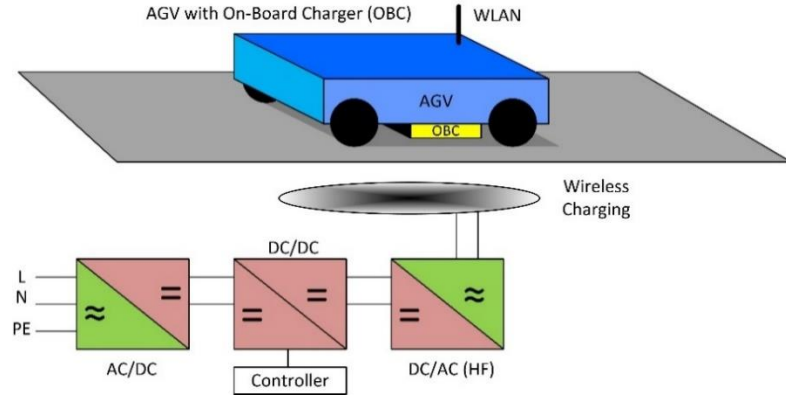
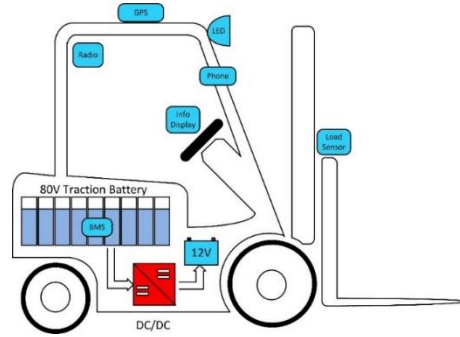
Source: eco-tour Firenze

Off-Highway and E-Mobility – Applications



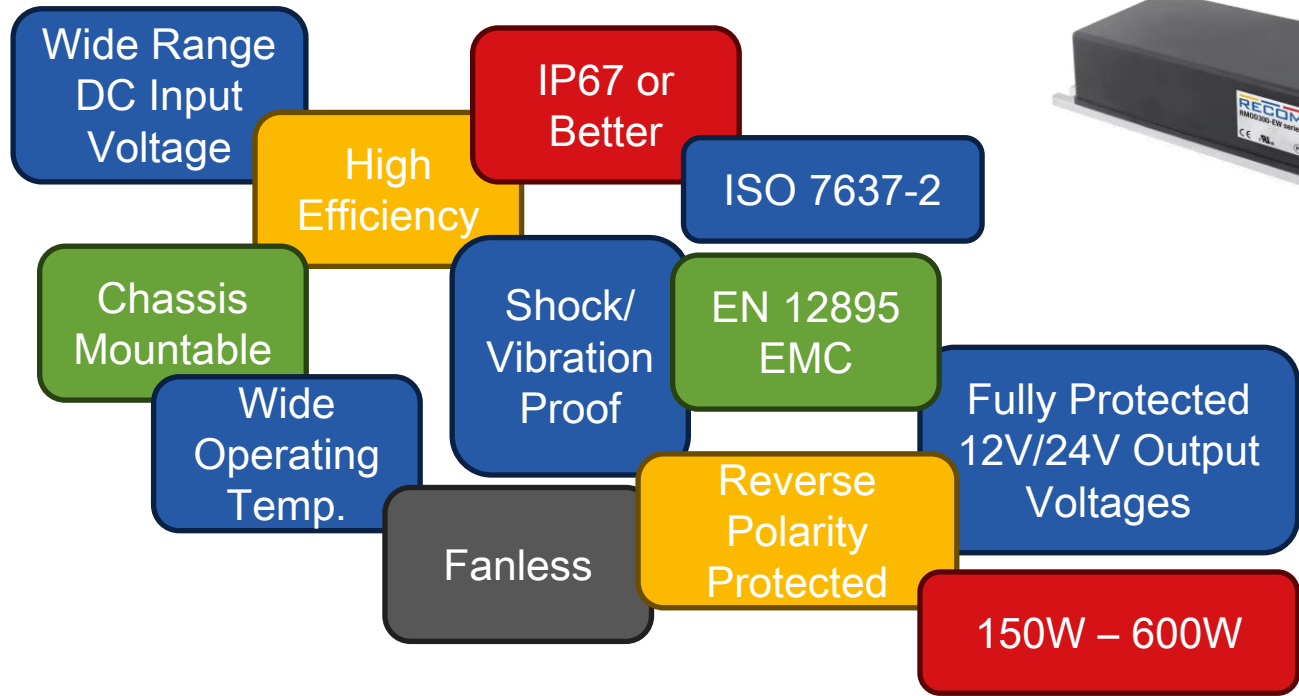
Material Handling

- AGVs
- Pallet Trucks
- Warehouse Automation
- Forklift trucks
- Loaders, Container lifters



Source: Cervoz

Off-Highway & E-Mobility – Plug & Play



EN 50155 Railway Power Supplies

Marco Kuhn, Product and Business Development Manager
For Transportation – Railway – Special Applications

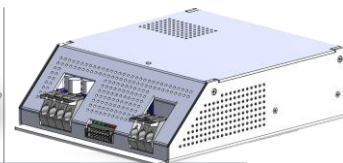
RECOM Power, Neu-Isenburg

FOCUS Railway PLUG&PLAY

COMING SOON



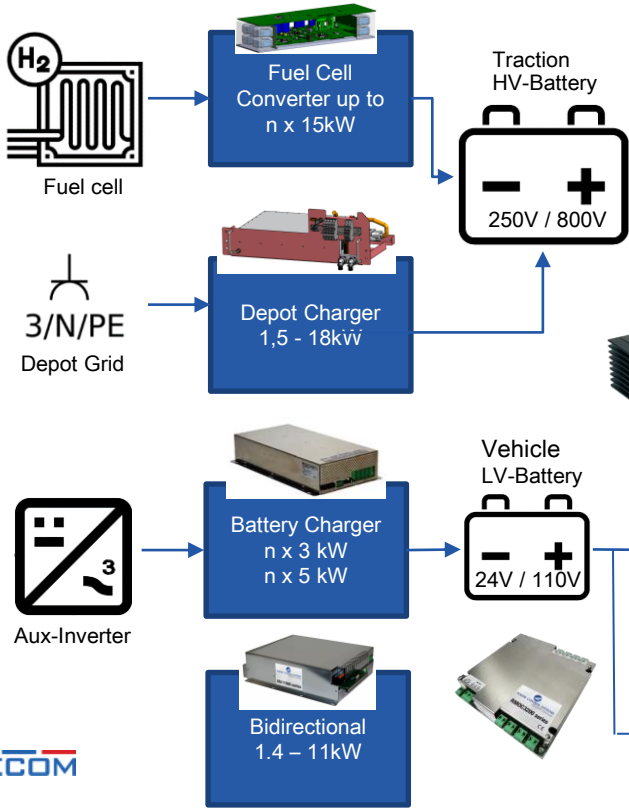
COMING SOON



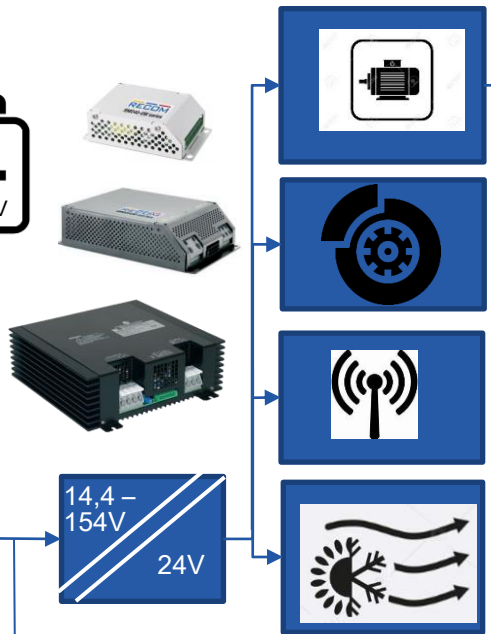
	RMD40-UW	RMD75-UW	RMD150-UW	RMD300-UW	RMD500-EW	RMSD1000-W
Format	100 x 60 x 30 mm (3.9" x 2.3" x 1.2")	110 x 70 x 30 mm (4.3" x 2.8" x 1.2")	188 x 116 x 38 mm (4.6" x 4.5" x 1.5")	209 x 141 x 48 mm (8.2" x 5.6" x 1.8")	209 x 141 x 48 mm (8.2" x 5.6" x 1.8")	260 x 246 x 80 mm (10.2" x 9.7" x 3.1")
Input	24V, 36V, 72V, 110V Ultra wide range 14.4-170V	24V, 36V, 72V, 110V Ultra wide range 14.4-170V	24V, 36V, 72V, 110V Ultra wide range 14.4-154V	24V, 36V, 72V, 110V Ultra wide range 14.4-170V	72V, 110V Extra wide range 43.2-170V	24V, 36V, 48V, 72V, 110V Wide input range Unom ±40%
Single output	5V, 12V, 24V others available on request	5V, 12V, 24V others available on request	24V others available on request	24V others available on request	24V others available on request	24V, 36V, 48V, 72V, 110V others available on request
Power range	40W, Boost power +50% to 60W	75W, Boost power +20% to 90W	150W, Boost power +10% to 165W	300W, Boost power +10% to 330W	500W, Boost power +10% to 550W	Power range: 600W up to 1000W
Temperature range	Temperature class OT4 + ST1 & ST2 -40/+85°C Full power, no derating natural convection	Temperature class OT4 + ST1 & ST2 -40/+85°C Full power, no derating natural convection	Temperature class OT4 + ST1 & ST2 -40/+85°C Full power, no derating natural convection	Temperature class OT4 + ST1 & ST2 -40/+85°C Full power, no derating natural convection	Temperature class OT4 + ST1 & ST2 -40/+85°C Full power, no derating natural convection	Temperature class OT4 + ST1 & ST2 -40/+85°C natural convection

RECOM Railway Power Supplies – for every EN 50155 application

FRONT END



PLUG & PLAY



BACK END

