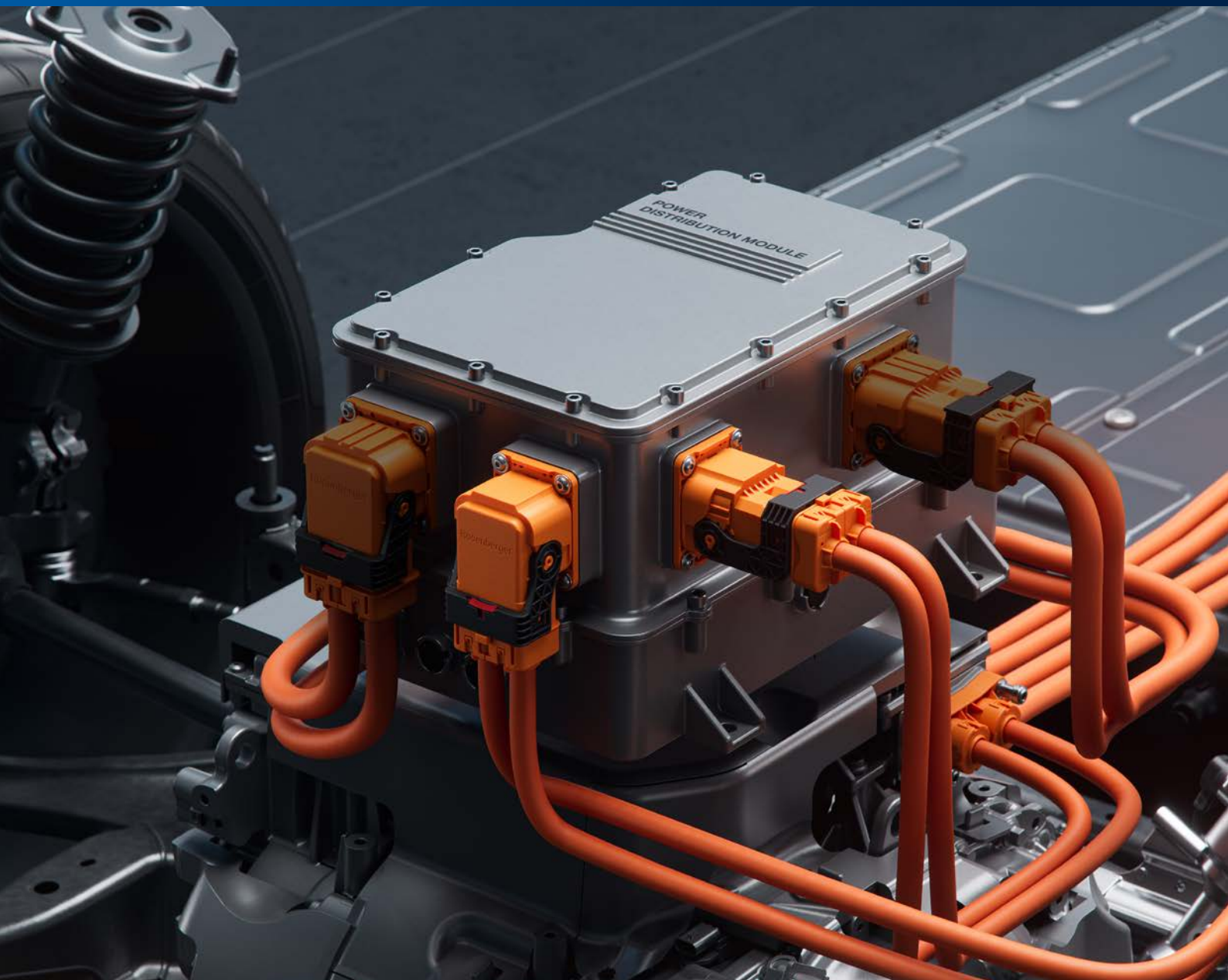
Rosenberger

Reduced size. Lower weight. Maximum performance.

HVR®210 | High-Voltage Connectors
Performance up to 208 A/1200 V

AUTOMOTIVE E-MOBILITY





HVR®210 | The Compact High-Voltage Connector for Electric Vehicles

HVR®210 | Engineered for the Future of E-Mobility

As vehicle architectures evolve from 400 V to 800 V, and even higher, Rosenberger is already prepared for the next generation: the HVR®210 is designed for up to 1200 V, delivering maximum future readiness for advanced electric vehicle platforms.

Built on the proven performance of the HVR®280, the HVR®210 supports copper and aluminum conductors, shielded up to 35 mm² and unshielded up to 50 mm². Its compact, application-optimized design enables cost- and space-efficient high-voltage system integration while meeting the demands of modern 800 V and future 1200 V architectures.

Why HVR®210?

- Compact design
  → reduced weight and space requirements
- Reduced component count
  → lower system complexity
- Optimized for automated assembly
  → faster production
- High performance up to 208 A/1200 V
  → future-ready

HVR®210 meets the specifications of all global OEMs

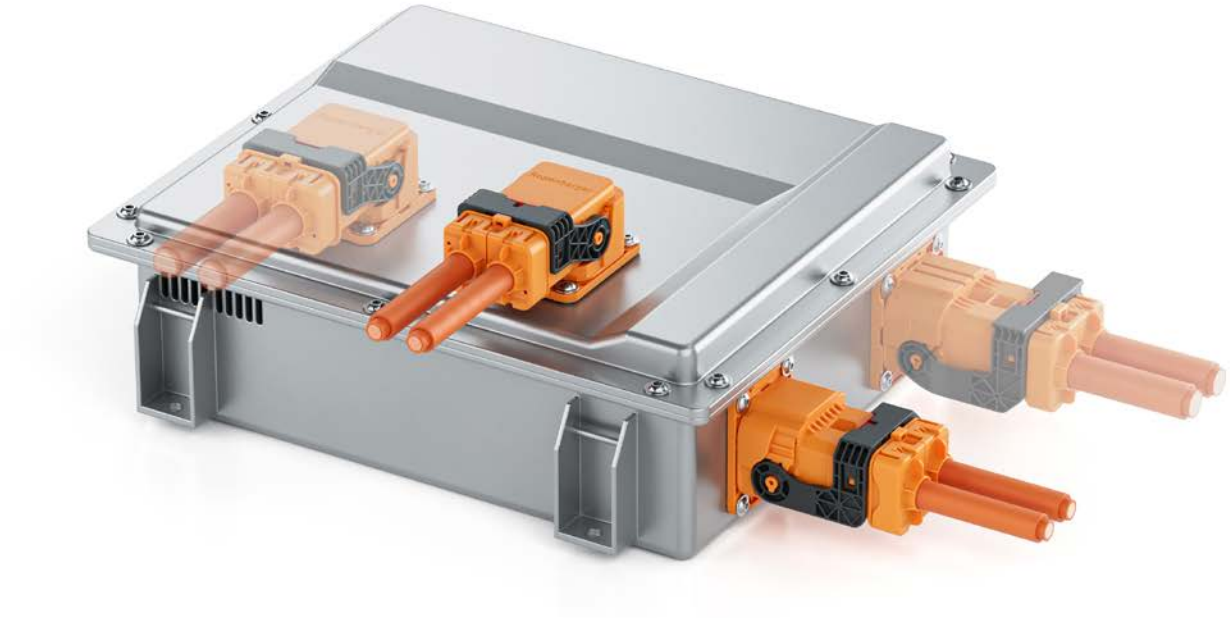
- Reducing components to the essential minimum
- Flexible and easily integrable
- Electrically safe and reliable
- Proof for harsh environmental conditions
- Compact dimensions
- Reduced costs, material usage, weight and installation space
- RoHS compliant
- Highly cost optimized
- Local for local production

Technical Data

- Shielded single core cables
  16 mm², 25 mm², 35 mm²
- Unshielded single core cables
  16 mm², 25 mm², 35 mm², 50 mm²
- Current capacity 208 A at 85 °C,
  high short term current capacity 437 A for 100 s
- Working voltage 1200 V DC
- Optional with HVIL
- Copper, aluminum cables
- Vibration class V2
- Temperature range from -40 °C up to +140 °C

Applications, e.g.

- Battery pack
- Power distribution unit
- Inverter
- eAxle



HVR®210 | Reduced Size. Lower Weight. Performance up to 208 A/1200 V

HVR®210 Cable Connector

- Right angle and straight connectors
- Stable and reliable performance
- High current capability
- Assembly of single core cables
- Shielded 16 mm², 25 mm², 35 mm²
- Unshielded 16 mm², 25 mm², 35 mm², 50 mm²
- Easy and seamless integration into automated assembly process
- Locking mechanism with lever and CPA (Connector Position Assurance)
- Aluminum and copper wires applicable





HVR®210 Header

- Capable of different terminal connections
- Optional pass-through design for bus bars
- Compact 4-hole flange
- High packing density
- HVIL optional available



Status August 2026 – Technical modifications and errors excepted. Similar images.

Website

For more information refer to our website:
www.rosenberger.com/hvr210

Rosenberger
Rosenberger Hochfrequenztechnik GmbH & Co. KG
Hauptstraße 1 | 83413 Fridolfing
P.O. Box 1260 | 84526 Tittmoning
Germany
Phone +49 8684 18-0
info@rosenberger.com
www.rosenberger.com
Certified by IATF 16949 · DIN EN 9100 · ISO 9001 · ISO 14001 · ISO 45001 · ISO 50001

Order No.
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