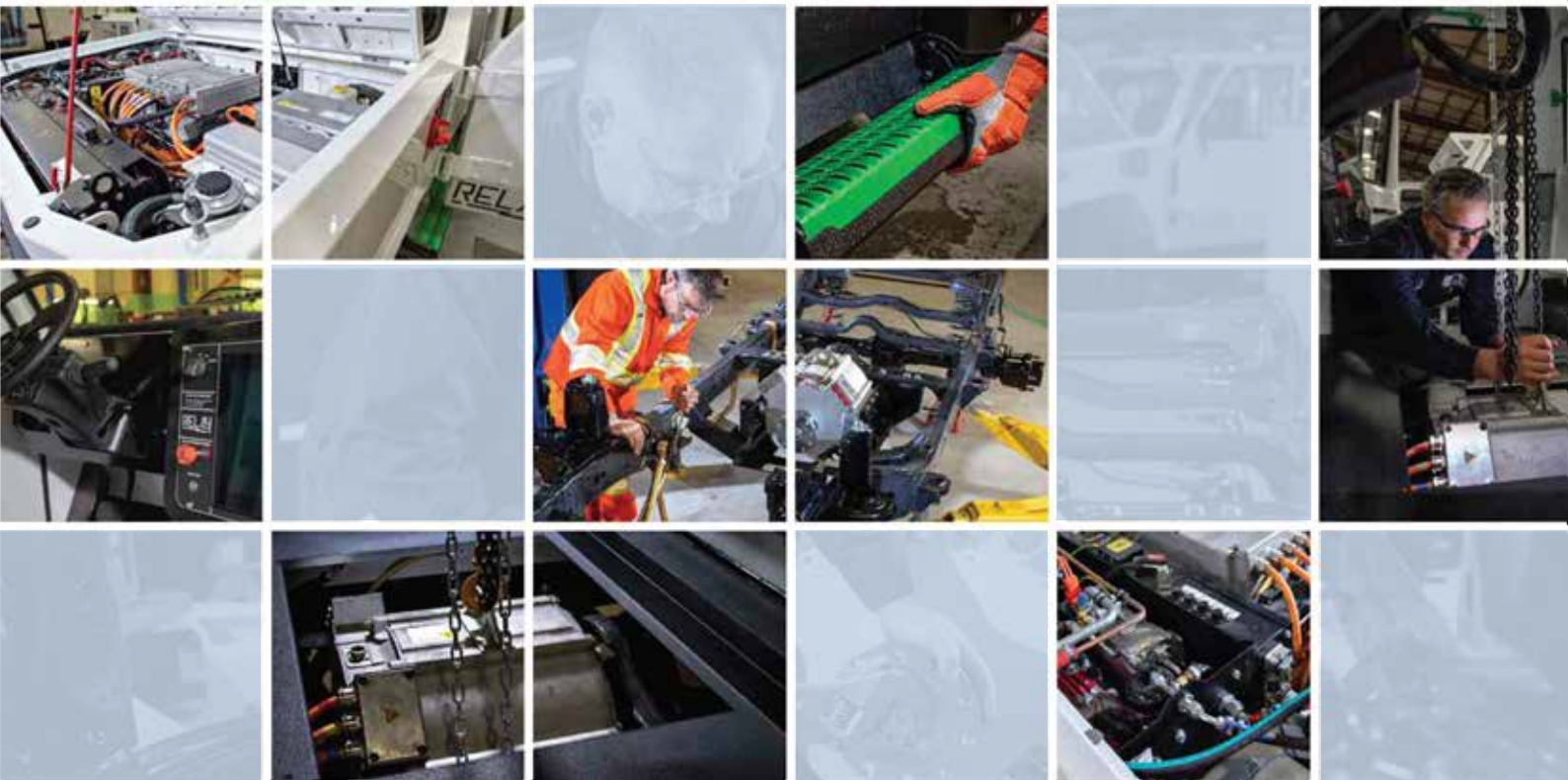


RELAY



Relay Electric Vehicle

Relay, is the next generation of innovation and real world application of the Miller's advanced technologies.

Driven by need and shaped by opportunity, Relay is the result of a demanding creative process to meet the needs of contemporary mining operations.

Powertrain

Midship mounted dual output motor

- Liquid cooled (water/glycol mixture)
- 100 kW continuous mechanical power output rating (170 kW peak)
- 680 Nm continuous mechanical torque output rating (1770 Nm peak)
- IP67 Ingress protection

Energy

Extremely robust and fully integrated battery management system.

- Liquid cooled (water/glycol mixture)
- Nominal voltage: 533 VDC
- Energy: 43 kWh
- IP67 Ingress protection
- Has passed numerous environmental, safety, and abuse tolerance tests including achieving 2018 DNV GL Type Approval

Relay features:

- An industry first hybrid charging system allowing for both off-board DC fast charging and on-board AC opportunity charging
- Dynamic braking preventing unwanted accelerations and maximizing range by converting excess kinetic energy to electric power
- Uses less moving parts than diesel counterparts, reducing vehicle vibration, repair and replace costs
- Zero emissions, zero noise, and zero health hazards

Reliable, environment and health friendly, improved operator experience, low cost maintenance, and great for your bottom line.

Charging

Nonproprietary off-board CCS type 2 DC fast charging and optional on-board AC charging at mine specified voltage up to 600 VDC

- Offboard charging rate: ≤ 0.5 -hour nominal charge time
- Onboard charging rate: ≤ 2.5 -hour nominal charge time





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