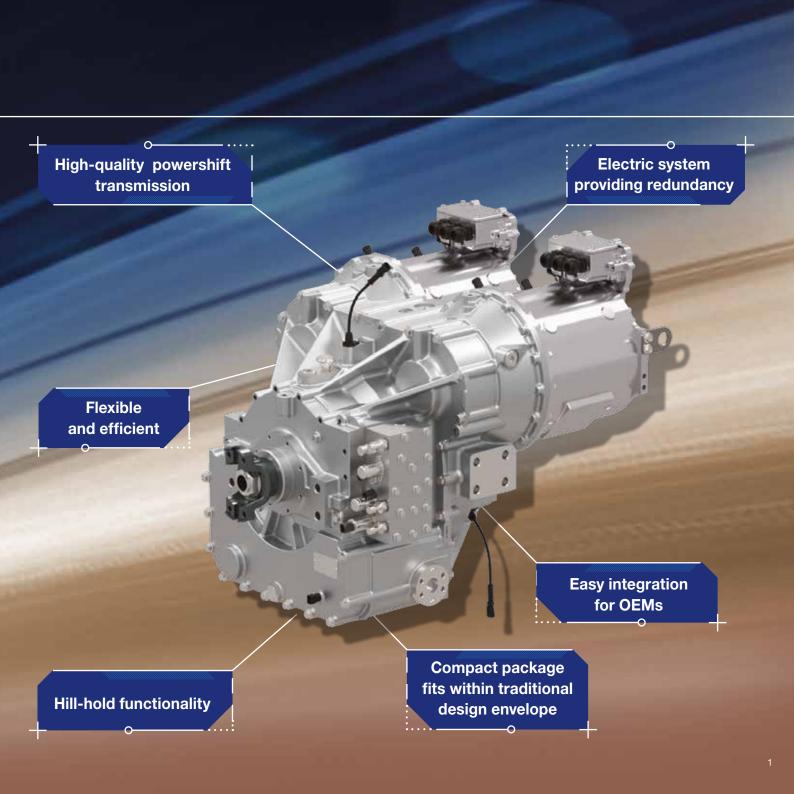




Spicer Electrified[™] eSP502

Electric driveline system solution

Dana has designed a new, sustainable, fully electric driveline system to expand its transmission solution offerings for OEMs. Based on a dual-motor, two-speed powershift transmission, it provides superior performance at maximum efficiency in a compact package. The dual-motor concept enables the use of one or two motors depending on the duty cycle, providing superior efficiency, reducing system costs, and helping vehicles reach higher travel speeds. The integrated system features a transmission, motors, a driveline controller and inverters in a completely electrified system solution.



Reliability, Efficiency,

Performance

Offering versatility and reliability, the transmission is designed to meet the needs of the construction industry.

Superior performance in every condition

Smooth operation during gear shift

Shifting not required during Y-cycles

Uninterrupted tractive effort, even under full load



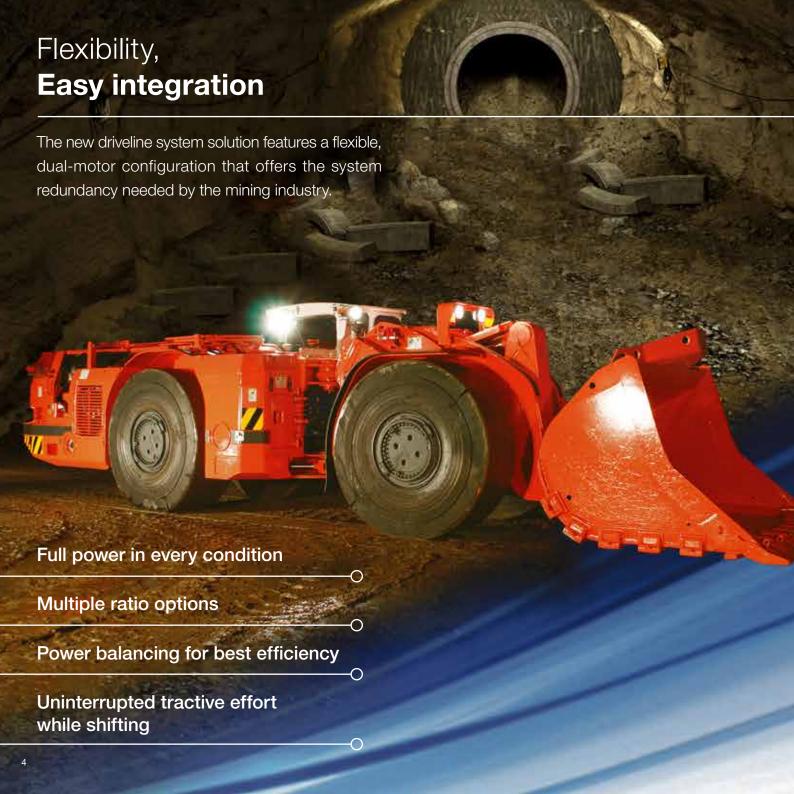
Uninterrupted torque while shifting under full load

Continuous tractive effort

O

Patented, low-drag wet clutch design







Easy installation and integration

Energy management provided by APC controller

High performance

Minimal downtime and work interruptions

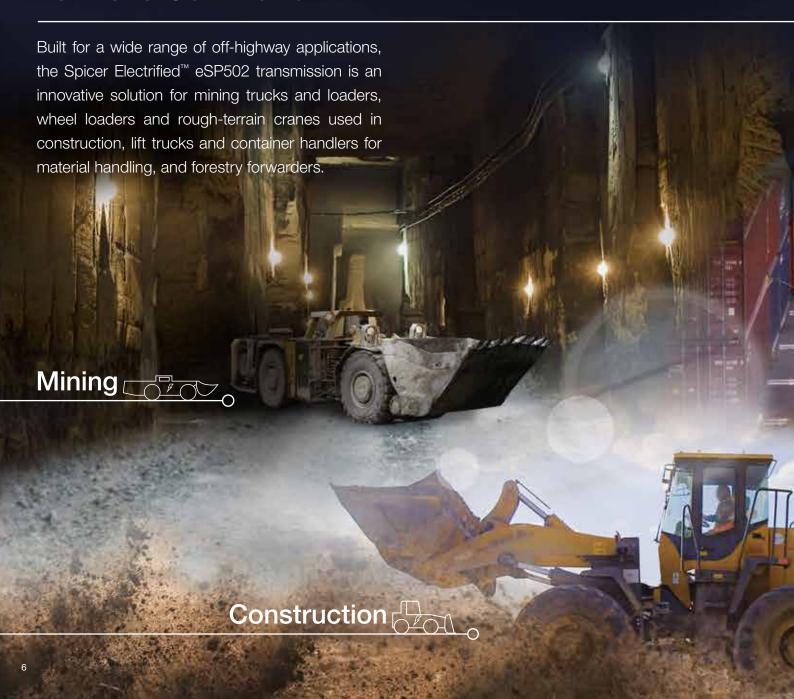
Dual-motor design for system redundancy

Longer battery range

Power management system integration

Powering Innovation

To Move Our World







High-quality powershifting

Technical features



The new transmission features a patented combination of wet-clutch and synchronizer technologies that optimize efficiency.



Electric powertrain management

Power management system

Functional safety

Compact package

	Single motor	Dual motor
Continous power	140kW	200kW
Peak power	200kW	250kW
Max output torque		7,700Nm (single output)
		9,500Nm (dual output)

Standard model equipped with two Dana TM4 Electrodynamics™ Sumo LD HV800 motor-inverter system

Dual-motor approach for optimal cost and efficiency

Flexible designs include low-power variant with single motor, as well as medium-voltage variants with alternate TM4 motors

Configurations available with customer-specified motors



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Application Policy

Capacity ratings, features, and specifications vary depending upon the model and type of service. Application approvals must be obtained from Dana; contact your representative for application approval. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.

