

mPTO

The auxiliary drive for electric vehicles



We create the perfect connection between electric vehicles and hydraulically operated superstructures.

We offer customised solutions and precise coordination for your individual requirements. Whether active load management or efficiency-optimised system solutions – we can provide you with an optimally coordinated complete solution thanks to our expertise beyond electric drive technology.

The space-saving frame mounting allows the mPTO system to be integrated flexibly. The control system is designed for

modular structure and interface systems and enables control via both CAN bus and hardwired connection.

Make your vehicle more versatile and equip it now with an mPTO solution. We look forward to hearing from you.

The benefits



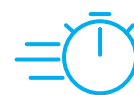
Powerful

Continuous power output of 80 kW, peak up to 210 kW



Swiss made

You benefit from a cost-effective complete solution in Swiss quality. The system is designed for maximum efficiency and reliability.



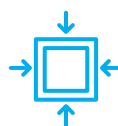
Fast production

We design, produce and assemble your solution in the shortest possible time and offer maximum flexibility for all kinds of customisations.



Durable and safe

The high-quality components meet the highest quality standards.



Compact

Thanks to the flanged inverter, the motor can be mounted in a particularly space-saving manner.



Pump connection

Wide range of pump options thanks to SAE C-shaft flange and hole pattern for SAE B and C, 2- and 4-hole.

Technical data

Motor vehicle

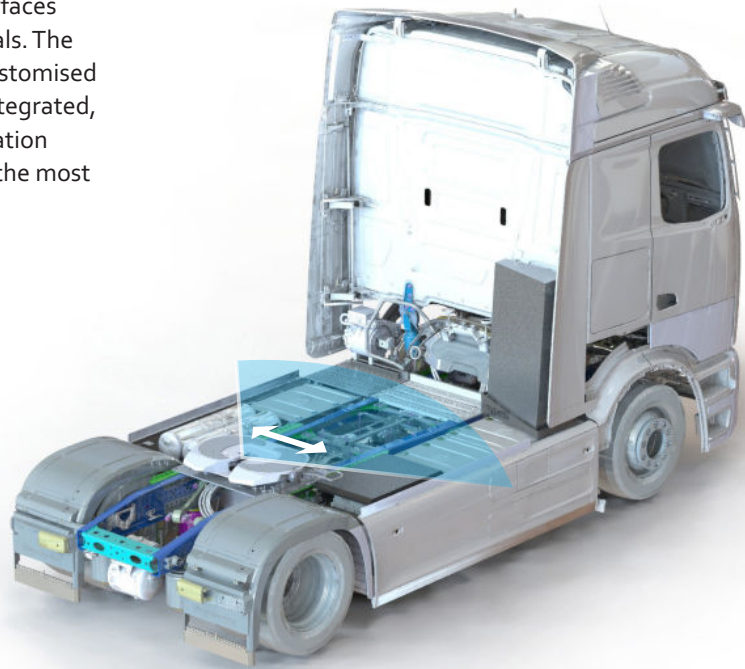
The mPTO solution offers an innovative way to integrate one or two auxiliary drives on the side of the chassis of electric trucks. The compact design creates more usable space. The mPTO solution is a customised and efficient solution that enables optimal use of the available space and improves the overall performance of the vehicle.

Intelligent control and load management

Our mPTO solution offers flexible mounting interfaces that can be implemented via CAN or digital signals. The speeds can be individually adjusted to achieve customised performance. In the double mPTO variant, the integrated, active load management ensures optimum utilisation and maximum efficiency, so that you always get the most out of your system.

Semi-trailer trucks

For semi-trailer trucks, the mPTO solution enables the compact integration of a power take-off behind the cab. This design ensures that the swing radius of the semi-trailer is maintained while making efficient use of the available space.



Specifications

DC input voltage range	450–850 VDC	various models depending on voltage range
Maximum torque	500 Nm	
Continuous torque	275 Nm	
Maximum speed	12,000 rpm	
Maximum power	210 kW	
Continuous power	80 kW	
Flanges	SAE-C, 14 teeth, Hole pattern for SAE B and C, 2 and 4 holes	
Length	320 mm	
Height	385 mm	
System weight	approx. 80 kg	



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