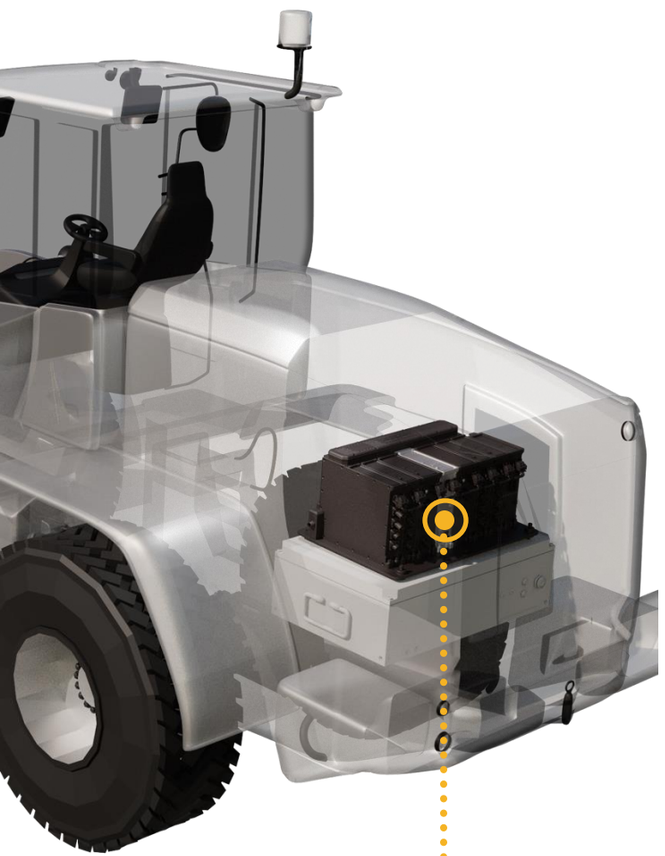
DCDC Converter Module

An electronic component used to convert a high voltage DC supply to a lower 14V or 28V DC output. The DC output is used to power a vehicle's low voltage system.



1. Common High Voltage DC Bus
2. Low Voltage Interface
3. Motor Feedback & Brake Interface
4. Motor Connections
5. Coolant Ports

Features

Common DC Bus interface	Reduces the number of electrical cables and connectors
Common liquid coolant connection	Reduces number of Liquid cooling lines, while increasing component life
Fieldbus control & monitoring	Supports status monitoring and output voltage control via fieldbus
Output reverse polarity protection	Allows the system to withstand a reversed battery connection
Pluggable connections	Optimized integration and ease of use
ASIL compliant	Optimized integration and ease of use

Technical Data

Input Voltage Range	**400:** 270 VDC-480 VDC **800:** 400 VDC – 800VDC
Output	14 VDC/130 A 28 VDC/ ??
Ambient Temperature Range	-40°C to +85°C
Ingress Protection	IP67, IP6K9K
Weight	<7kg
Vibration & Shock	5.91g & 50g
Dimensions	L:358mm W:77mm H:293mm
Compliance	ISO 13766, ISO 14990, ISO 16750, CE

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