

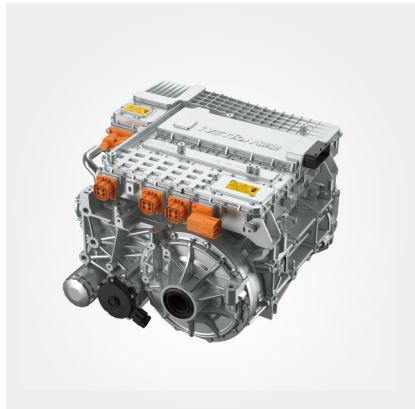
运动控制及电能转换



多合一电控



单电机控制器



分布式双电机驱动系统 C型



分布式
双电机驱动系统 T型



单体 DCDC
400 V / 2.5 kW



400 / 800 V 6.6 kW
OBC 二合一



11 kW
二合一集成电源



240 kW
双枪直流充电桩



40 kW
风冷充电桩模块

整车环境控制



集成阀岛



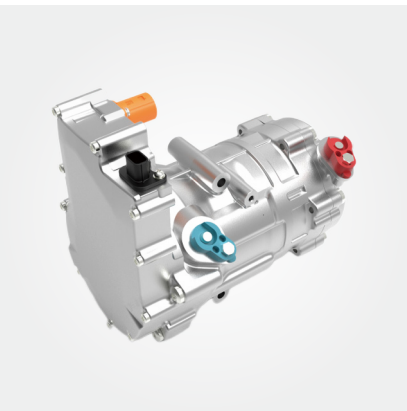
热管理集成控制器



电子水泵



变频控制
智能集成氧舱



800 V
电动压缩机



全封闭
涡旋式压缩机



2 kW
加热器



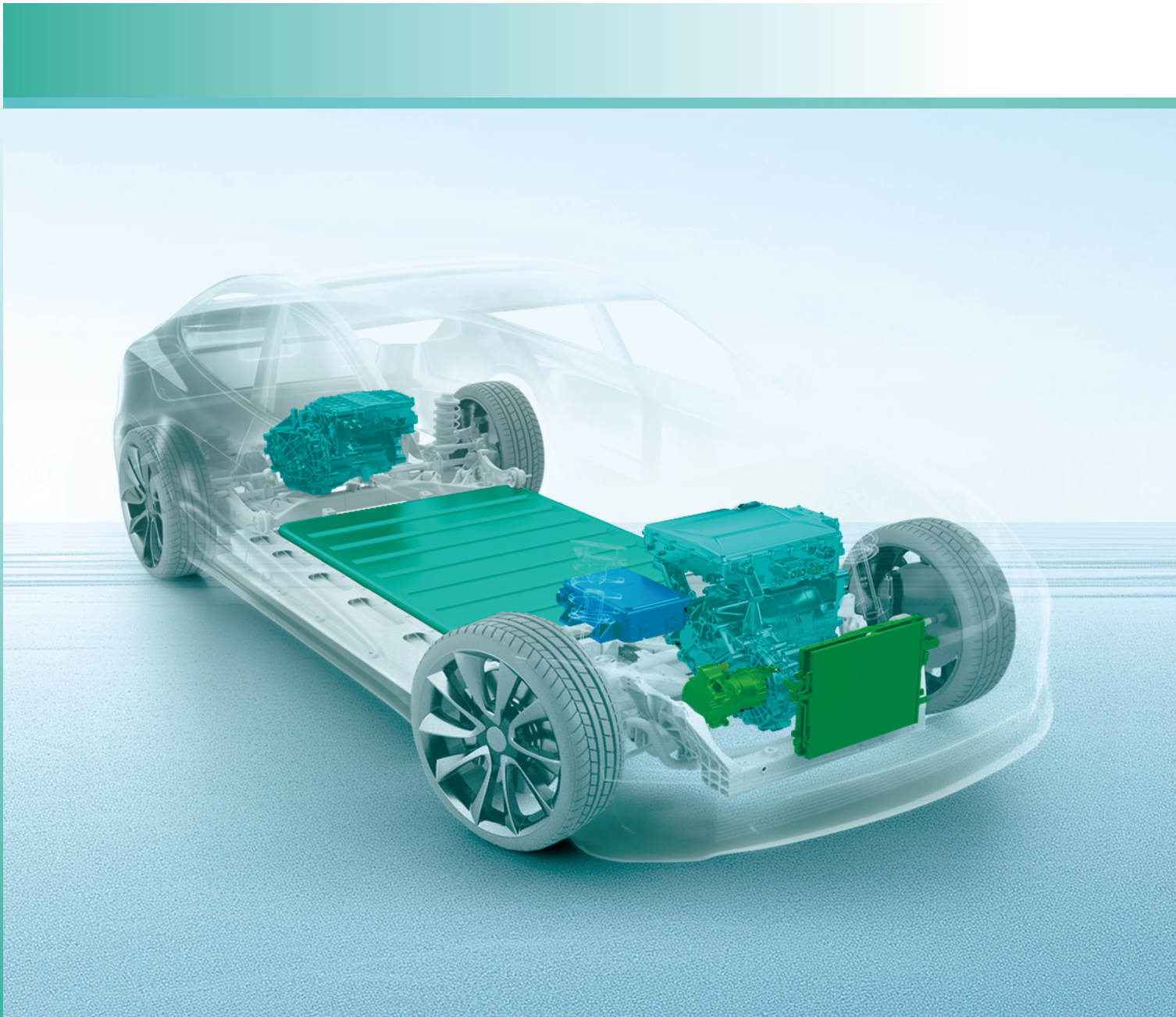
12 ~ 15 kW
加热器



陶瓷纤维
气凝胶隔热片

新能源汽车核心部件产品集

掌握电机控制与电源的核心技术，提供电机控制器、车载电源、多合一驱动系统、电动压缩机及电控、热管理系统及零部件、充电桩模块等产品一站式解决方案。



扫码获取
中文画册电子版

深圳麦格米特电气股份有限公司

地址：深圳市南山区科技园北区朗山路紫光信息港B座5楼

版本：202601
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小程序

关于麦米电气

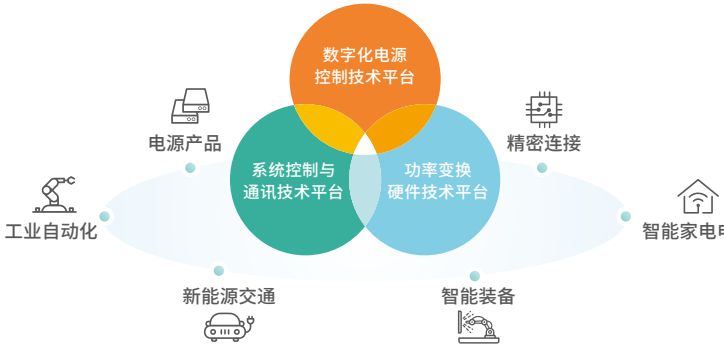
深圳麦格米特电气股份有限公司(股票代码:002851)是电气自动化领域硬件和软件研发、生产、销售与服务的一站式解决方案提供商,以电力电子及自动控制为核心技术,业务涵盖新能源交通、电源产品、工业自动化、智能装备、智能家电电控、精密连接六大板块。

麦米电气致力于人类电能使用更加高效、生存环境更加洁净、生产效率持续进步、人类生活日益美好,立志成为全球一流的电气自动化领域产品及方案提供者。

13000+ 公司员工
10 研发中心

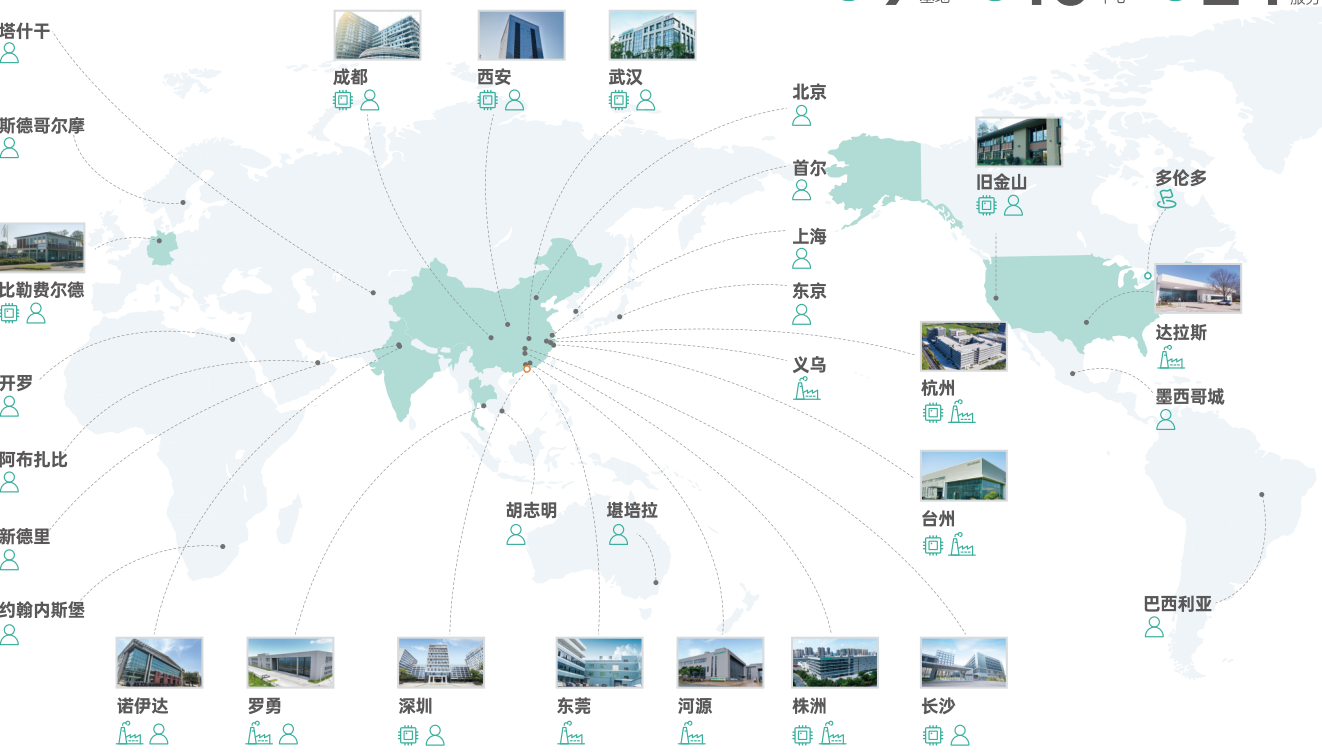
23% 研发人员占比
9 制造基地

1990+ 专利及著作权

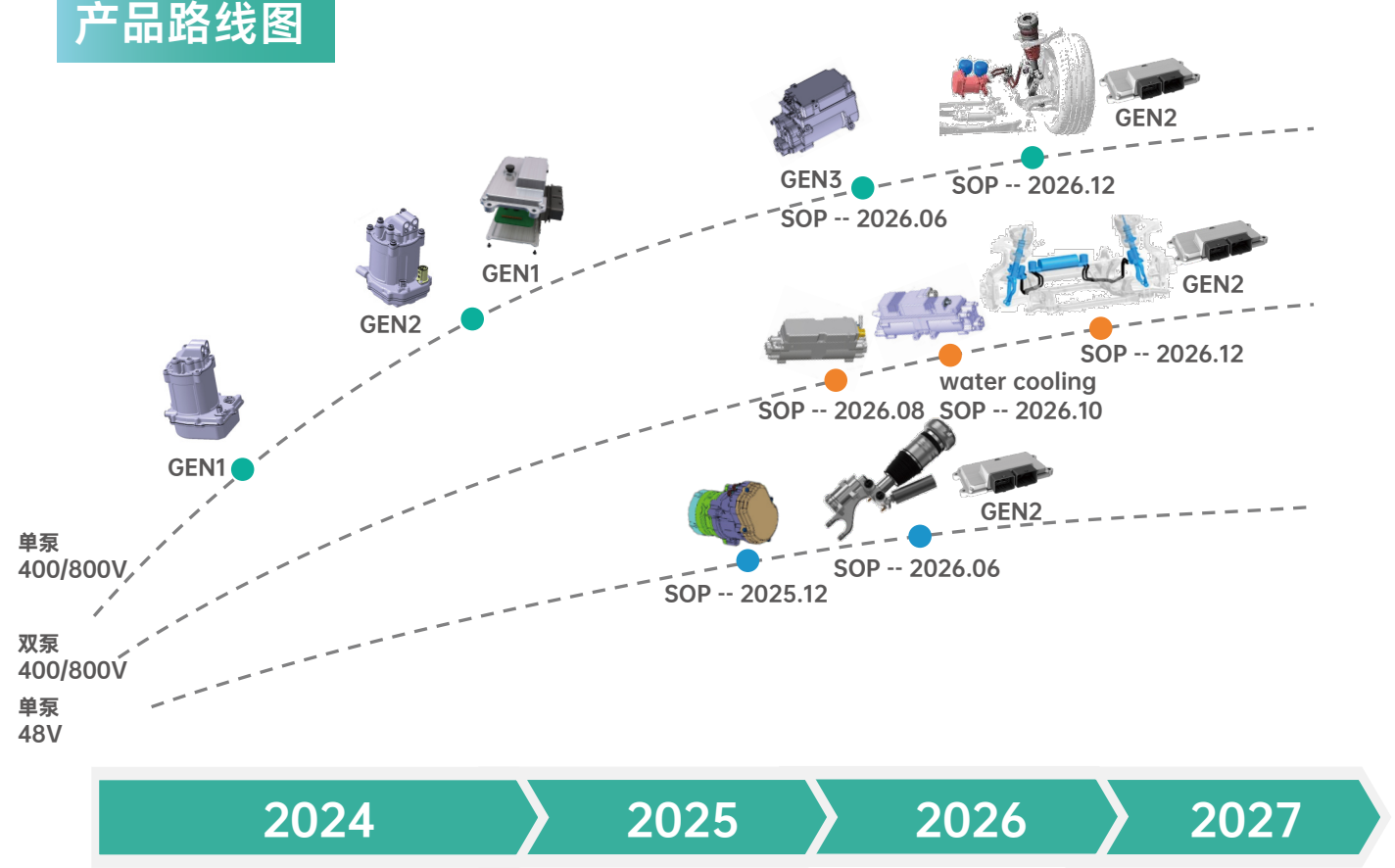


三大核心技术平台

麦米电气全球布局



产品路线图

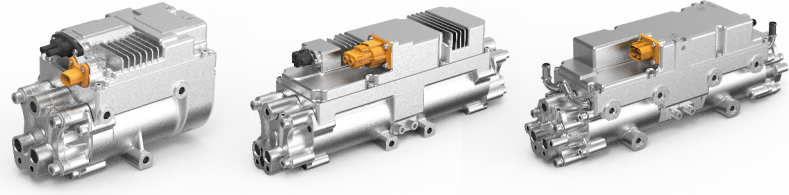


底盘域控制器



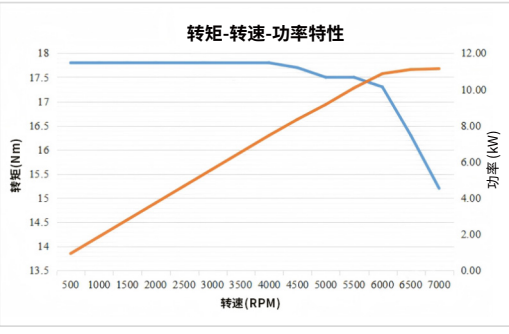
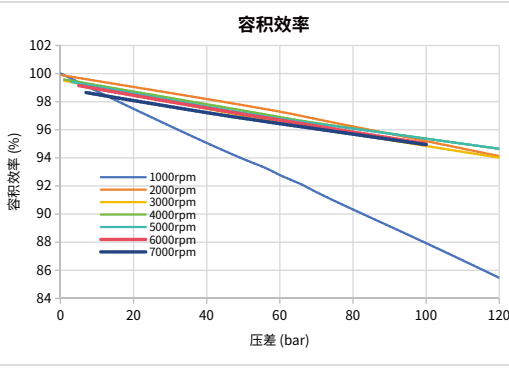
- 集成连续阻尼控制及主动减震控制功能
- 集成空气弹簧控制功能
- 结合车载摄像头和雷达信息,集成道路预瞄控制功能
- 采用模型化、模块化的平台控制策略,实现整车运动姿态计算、垂向振动控制、车身高度控制和整车通讯等各种功能
- FOTA远程刷新可以支持控制器软件进行快速迭代
- 集成六轴惯性传感器芯片,预留多种类型(PSI5、SENT、Analog、Digital等)的传感器信号采集通道
- 支持多路CAN2.0/CAN-FD通讯和特殊帧唤醒功能,满足客户不同的CAN电气架构需求
- 满足Cyber Security和AUTOSAR架构等应用需求

电动液压泵

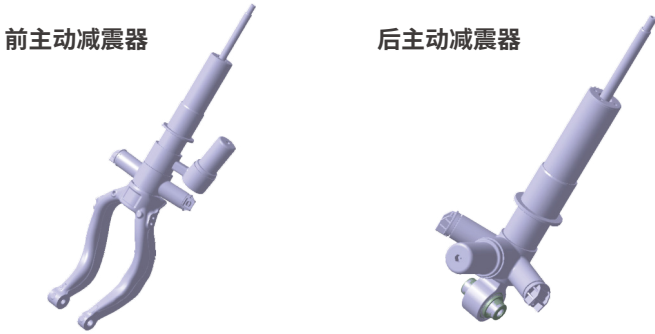


- 三合一单泵
 - 深度集成的双向齿轮泵、高效永磁电机和控制器
 - 支持400V、800V多电压平台
 - ISO26262 ASIL-C
 - 响应速度快、噪音低、效率高
- 五合一双泵
 - 自然冷却/水冷架构可选
 - 多种集成方式,满足不同车型IP6K9K, ISO26262 ASIL-C的布局需求
 - 4-6L排量可供选择
 - IP67, IP6K9K
- 五合一水冷双泵

尺寸	单泵: 222 × 145 × 116 双泵: 416 × 100 × 143 450 × 118 × 154	液压泵类型	内啮合齿轮泵
重量	单泵: 6.2 kg 双泵: 12 kg / 14 kg	旋转方向	双向
电压平台	400 V, 800 V	电机类型	永磁同步电机
峰值功率	10 kW	通讯方式	CAN/CANFD
最大工作压力	150 Bar	功能安全	ASIL C
最大持续流量	30 L/min	最大转速	7000 rpm

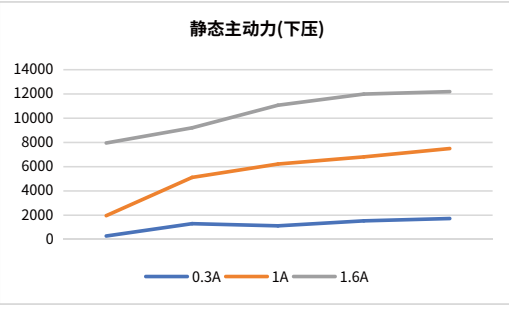
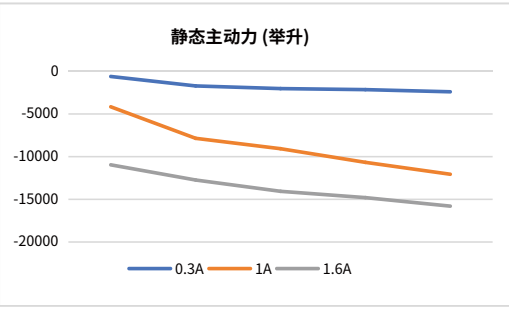


集成式主动减震器



- 减震器-蓄能器一体式集成结构
- 集成双阀CDC, 压缩/复原独立调节
- 高温高压耐久能力
- 高带宽阻尼调节, 双向大主动力输出
- 空簧/螺旋弹簧通用匹配
- 高强度激光焊接技术

最大尺寸	780 × 232 × 138 (前) 516 × 206 × 193 (后)	工作温度	-40 °C ~ +120 °C
重量	10 kg (前) 7 kg (后)	工作压力	0 ~ 20 Mpa
最大尺寸	±90 mm	额定电压	12 V
最大承重	2500 kg	使用电流范围	0 ~ 1.8 A 比例调节
阻尼系数	复原: 2500N @ 0.524 m/s 压缩: 2000N @ 0.524 m/s	电流特性	DC
举升速率	500 mm/s	直流电阻	2.54 Ω



冬测



制动工况

70% 制动深度
70km/h 车速
18mm 功能未开启 车头下降为
2.5mm 功能开启 车头下降为

功能未开启, 俯仰角下降为3.49deg
功能开启, 俯仰角下降为0.84deg
俯仰角下降抑制约为75.9%左右

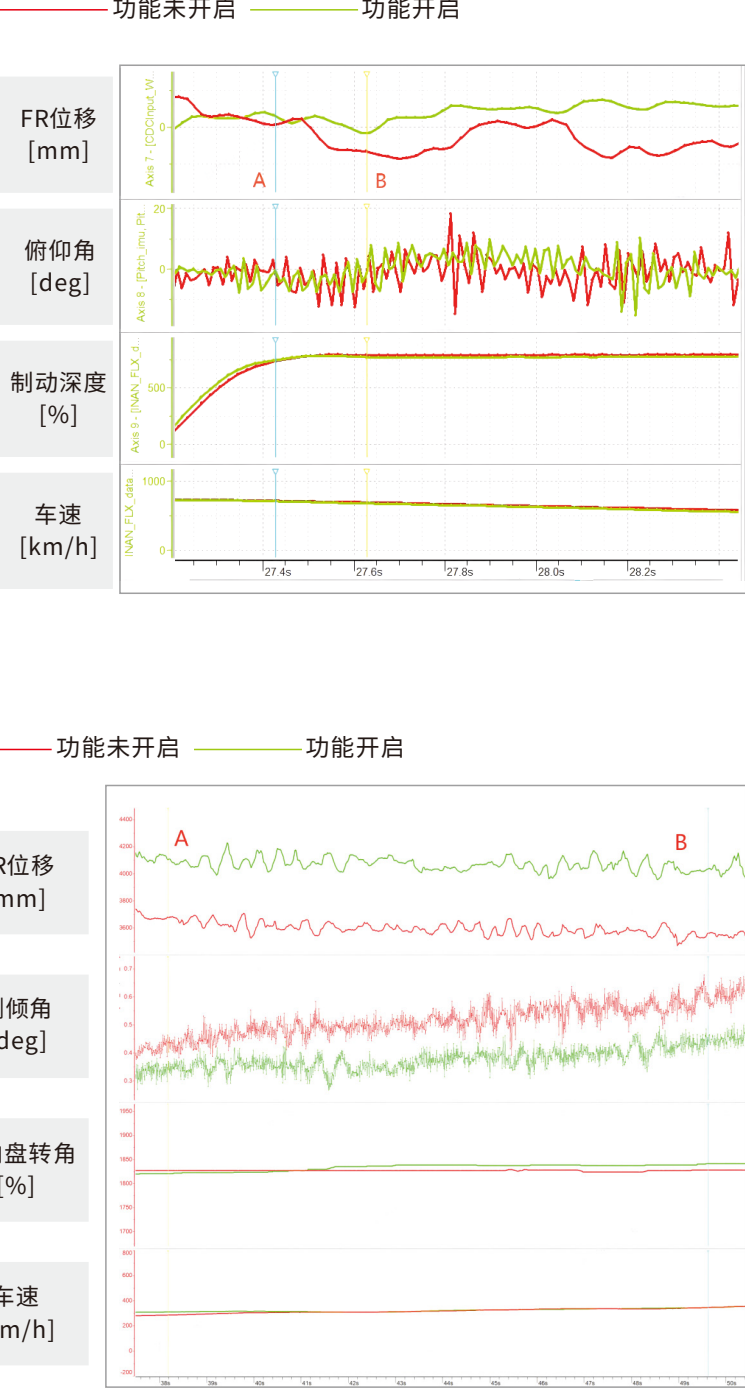
夏测



绕圆工况

40km/h 转弯时车速
180deg 方向盘转角

功能未开启, 车身下降幅度为 45mm
功能开启, 车身下降幅度为11mm
功能未开启, 侧倾角为6.2deg
功能开启, 侧倾角为1.1deg
侧倾角降低80.6%左右



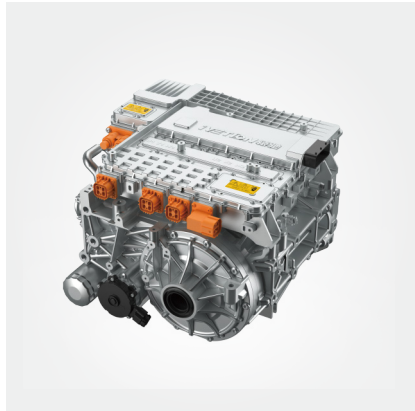
Motion Control & Electric Energy Conversion



X-In-1 Controller



Traction Inverter



DTM (Dual Traction Motor)
TV EDU DTM8500C



DTM (Dual Traction Motor)
TV EDU DTM8500T



DCDC
400 V / 2.5 kW



400 / 800 V 6.6 kW
OBC & DCDC Combo



11 kW
OBC and DCDC Combo



Dual-Port 240 kW
DC Charger



40 kW Air Cooling
Charging Module

Vehicle Environmental Control System



Integrated
Thermal Module



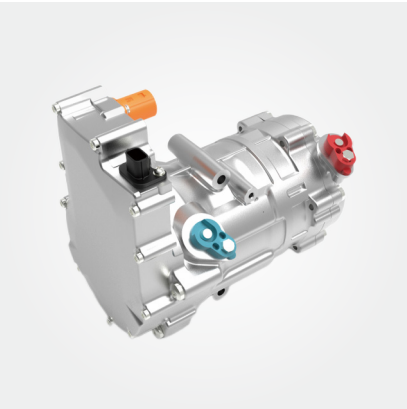
Thermal Management
Integrated Controller



Electronic
Water Pump



Variable-frequency Smart
Integrated Oxygen Chamber



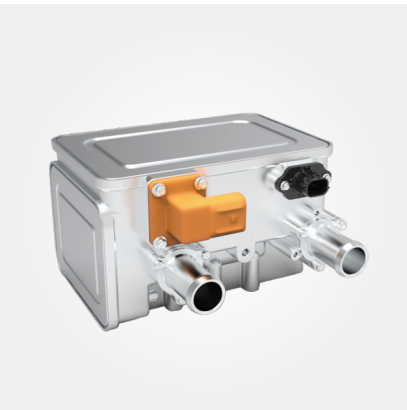
800 V
Electric Compressor



Hermetic
Scroll Compressor



2 kW Metal
Ceramic Heater



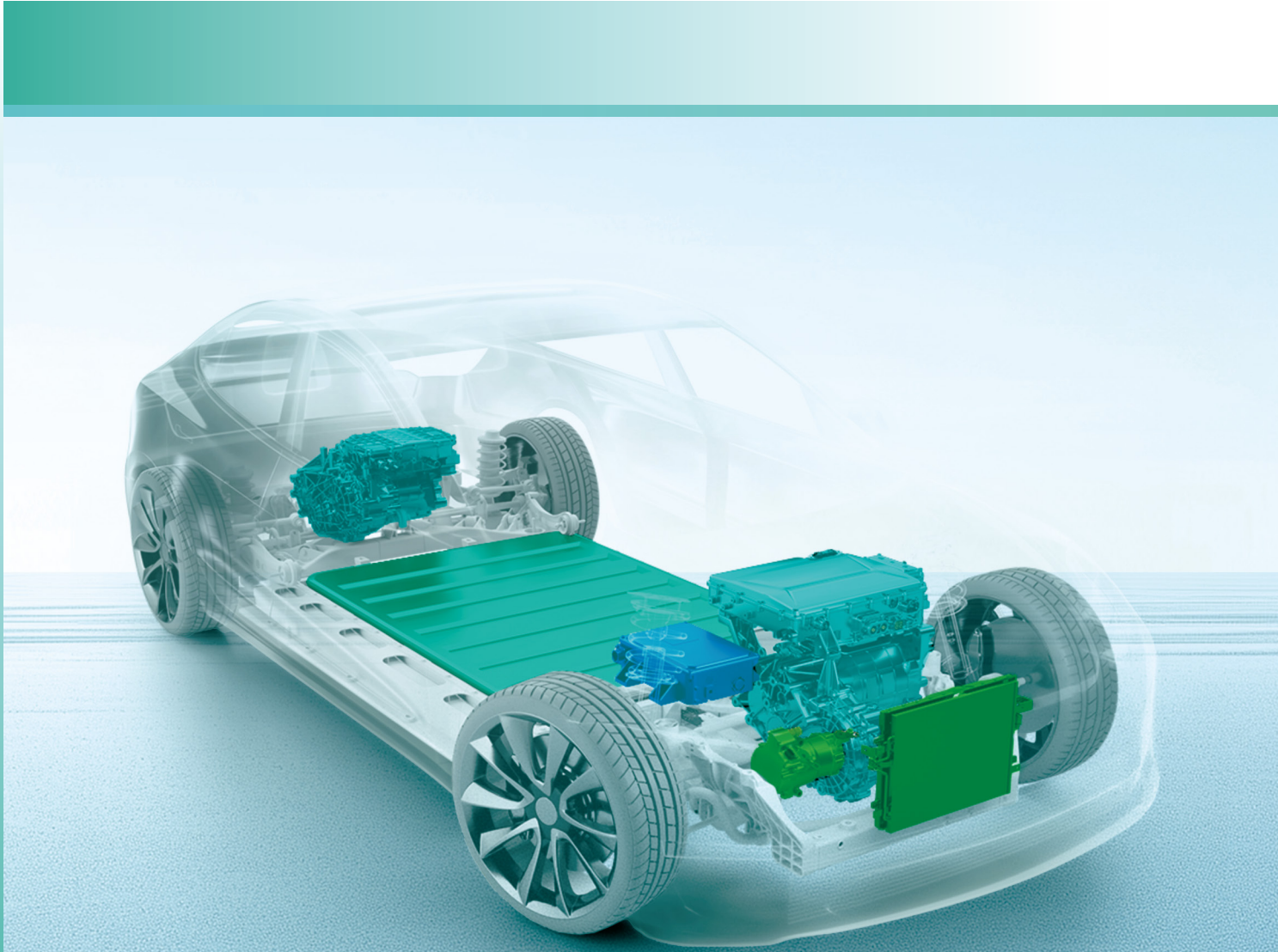
2 kW Metal
Ceramic Heater



Ceramic Fiber
Aerogel Insulation Sheet

Electric Vehicle Product Profile

MEGMEET provides one-stop solutions for electric vehicles including on-board charging systems, inverters, electric power trains, X-in-1 integration systems, and electric compressors.



SHENZHEN MEGMEETELECTRICAL CO., LTD.
Add: 5th Floor, Block B, Unisplendour Information Harbor, Langshan Rd.,
Science & Technology Park, Nanshan District, Shenzhen, 518057, China



About MEGMEET

MEGMEET is a comprehensive solution provider for hardware and software R&D, production, sales, and service in the field of electrical automation. With power electronics and automation control at its core, MEGMEET's main businesses include eMobility & EV Infrastructure, Power Solutions, Industrial Automation, Intelligent Equipment, Home Appliance Control Solutions, and Precision Connection.

MEGMEET is committed to creating a cleaner living environment for all human beings through more efficient energy utilization and improved manufacturing efficiency. MEGMEET aims to become the world leader in electrical automation and achieve the goal of MEGMEET EVERYWHERE.

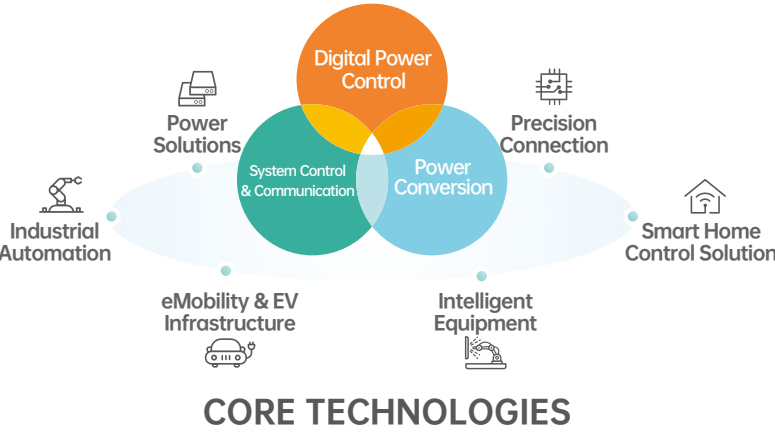
13,000+
Total Employees

10
R&D Centers

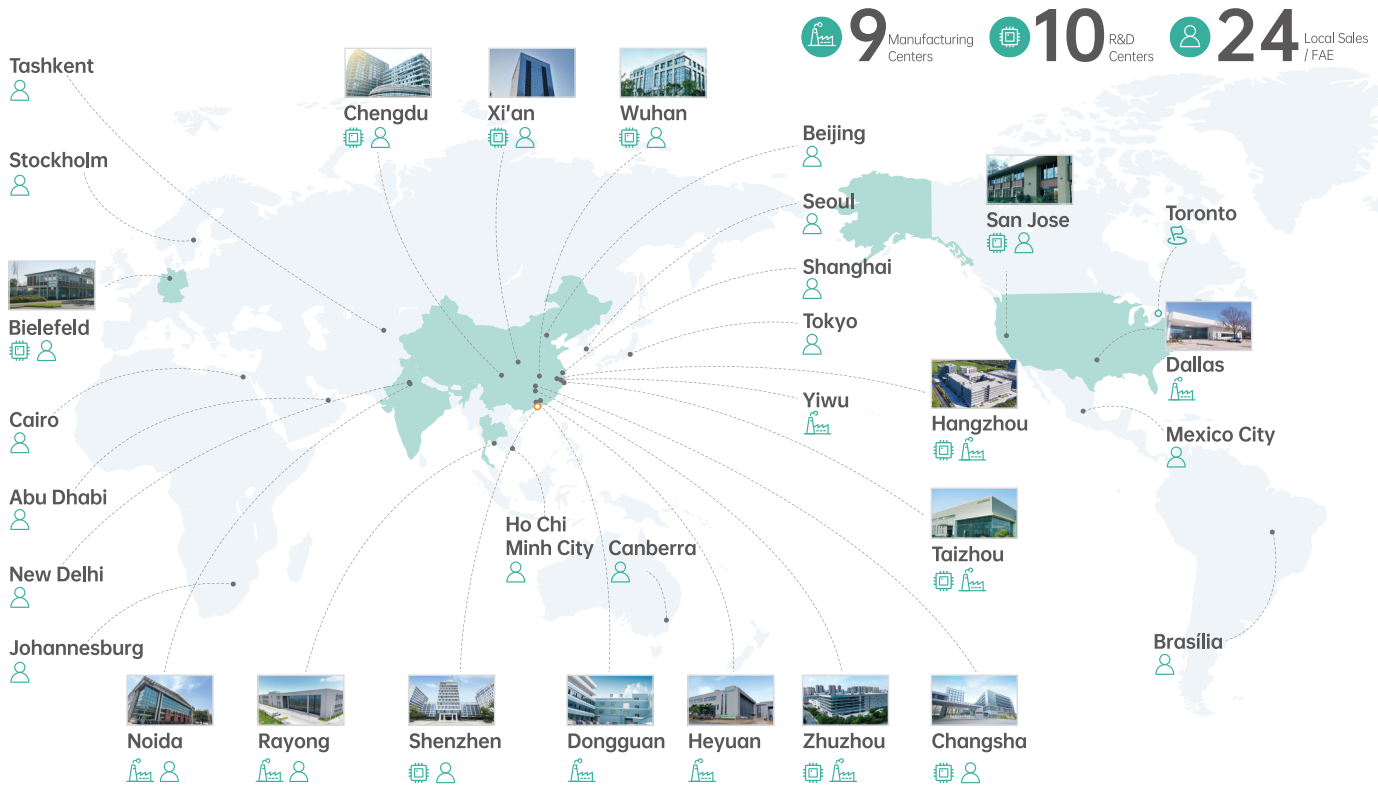
23%
R&D Staff

9
Manufacturing Centers

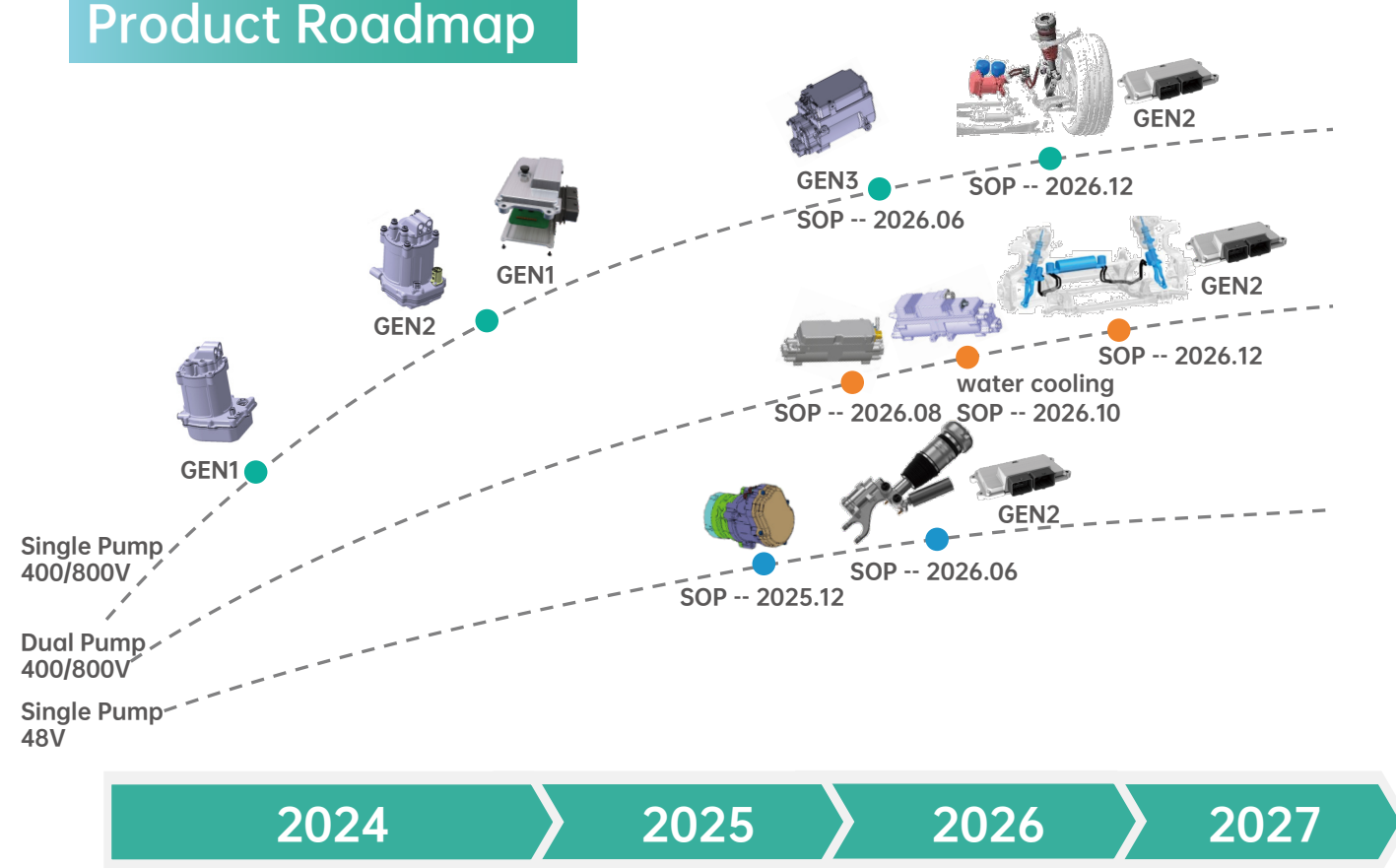
1,990+
No. of Patents & IP Rights



Global Infrastructure



Product Roadmap

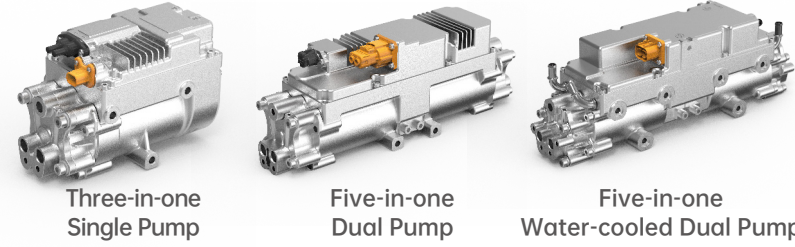


Chassis Domain Controller



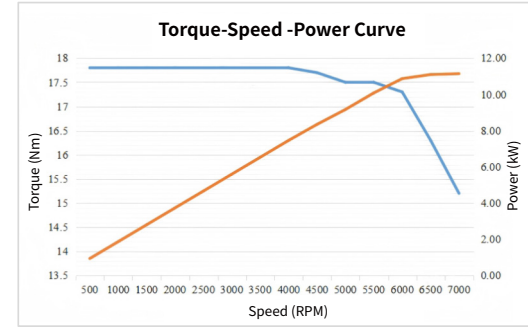
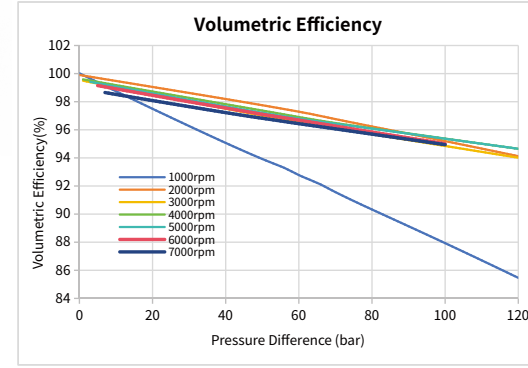
- Integrated continuous damping control and active damping control
- Integrated air spring control
- Combined with on-board camera and radar information, integrated road preview control function
- The model and modular platform control strategy is adopted to realize various functions such as vehicle motion attitude calculation, vertical vibration control, vehicle height control and vehicle communication
- Integrated tri-core chip
- Integrated six-axis inertial sensor chip, reserve a variety of types (PSI5, SENT, Analog, Digital, etc.) sensor signal acquisition channels
- Support multi-channel CAN2.0 / CAN-FD communication and special frame wake-up function to meet customers' different CAN electrical architecture needs
- Meet the needs of applications such as Cyber Security and AUTOSAR architecture

Electric Hydraulic Pump

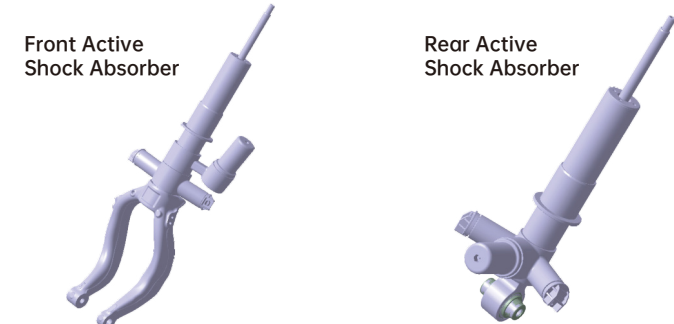


- Deeply integrated bi-directional gear pump, high efficiency permanent magnet motor and controller
- 400V, 800V multi-voltage platform
- Fast response, low noise and high efficiency
- Natural cooling/water cooling architecture optional
- Various integration methods to meet the layout needs of different vehicle models
- 4-6L displacement are available
- IP67, IP6K9K

Dimension	Single Pump: 222 × 145 × 116 Dual Pump: 416 × 100 × 143 450 × 118 × 154	Pump Type	Internal Gear Pump
Weight	Single Pump: 6.2 kg Dual Pump: 12 kg / 14 kg	Rotation Direction	Two-way
Voltage Platform	400V, 800V	Motor type	Permanent Magnet Synchronous Motor
Peak Power	10 kW	Communication	CAN/CANFD
Max Work Pressure	150 Bar	Functional Safety Level	ASIL C
Max Continuous Flow Rate	30L/min	Maximum rotation speed	7000rpm

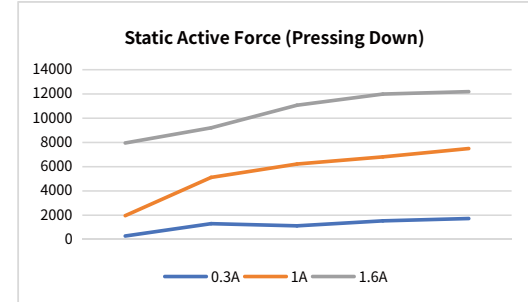
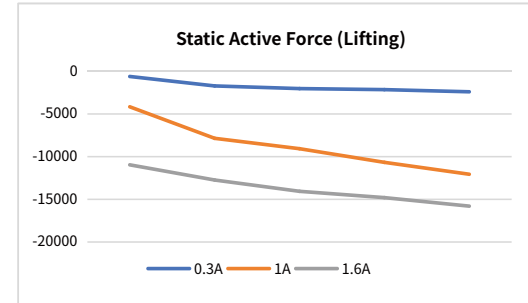


Integrated Active Shock Absorber



- Shock absorber-accumulator integrated structure
- Integrated dual-valve CDC, independent adjustment of compression/rebound
- High temperature and high pressure durability capability
- High bandwidth damping adjustment, bidirectional large active force actuation
- Universal matching for air springs/coil springs
- High intensity laser welding technology

Max Dimension	780 × 232 × 138 (front) 516 × 206 × 193 (rear)	Operating Temperature	-40 °C ~ +120 °C
Weight	10 kg (front) 7 kg (back)	Work Pressure	0 ~ 20 Mpa
Max Dimension	±90 mm	Rated Voltage	12 V
Maximum Load Bearing	2500 kg	Operating Current Range	0 ~ 1.8 A proportional adjustment
Damping Coefficient	Restoration: 2500N @ 0.524 m/s Compress: 2000N @ 0.524 m/s	Current Characteristics	DC
Lifting Rate	500 mm/s	Direct Current Resistance	2.54 Ω



Winter Test



Braking Condition

70%
Braking depth

70km/h
Vehicle speed

18mm
Function **not** enabled
the front of the vehicle is lowered to

2.5mm
Function **activated**
the front of the vehicle lowers to

Function not enabled, pitch angle decreased to **3.49deg**

Function activated, the pitch angle drops to **0.84 degrees**

The suppression of the pitch angle drop is approximately 75.9%.



Circular Operation Condition

40km/h
Speed when turning

180deg
Steering wheel angle

Function not activated, the body drop range is **45mm**

Function activated, the body drop range is **11mm**

Function not enabled, roll angle is **6.2deg**

Function activated, roll angle is **1.1deg**

The roll angle is reduced by approximately 80.6%

