

新能源电动车矢量控制器专业制造商

Professional Manufacturer of New-Energy EV Vector Controllers



MEIDISI



新能源出行智能电控系统

INTELLIGENT ELECTRONIC CONTROL
SYSTEM FOR NEW ENERGY TRAVEL

无锡澎湃电驱动科技有限公司

Wuxi Surge Drive Electric Technology Co., Ltd

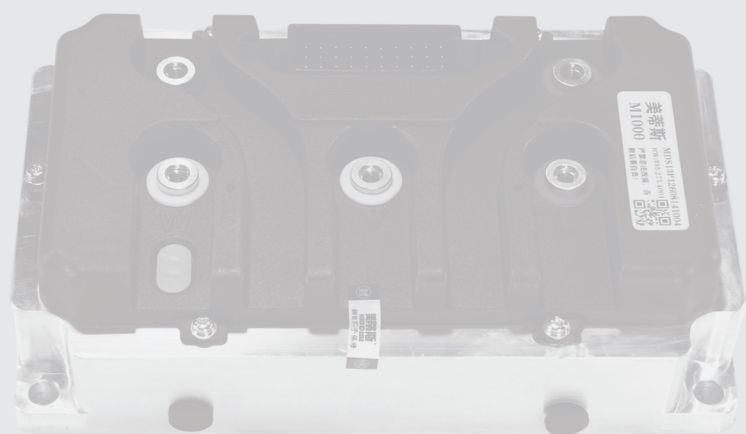
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无锡澎湃电驱动科技有限公司

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企业简介 COMPANY PROFILE



无锡澎湃电驱动科技有限公司，旗下美蒂斯（MEIDISI）品牌聚焦无刷电机驱动器赛道。公司集研发、生产、销售于一体，是深耕电驱动领域的技术型企业。

公司拥有完全自主知识产权的控制系统核心技术，产品畅销海内外，广泛应用于电轻摩、高速电摩、越野车、场地车等新能源领域。在全球部分大城市均设有办事处和外贸分公司。公司拥有一批专业技术研发团队，我们不断创新，为新能源出行设备提供稳定可靠的电控系统整体解决方案。

Wuxi Surge Drive Electric Technology Co., Ltd. owns the MEIDISI brand, which specializes in BLDC motor drivers. As a technology-driven enterprise deeply rooted in the electric drive sector, it integrates R&D, production and sales.

The company possesses core control technology with complete independent intellectual property rights, and its products are widely sold both domestically and internationally, extensively applied in new energy sectors such as electric scooters, high-speed electric motorcycles, off-road vehicles, and track vehicles. Offices and foreign trade branches are established in major cities worldwide. The company boasts a professional technical R&D team, continuously innovating to provide stable and reliable integrated control system solutions for new energy mobility equipment.

资质证书 CERTIFICATES





美蒂斯 | 智能化整车电控定制方案

MEIDISI | Smart Custom Whole-Vehicle ECU Solutions

美蒂斯矢量电动车控制器主要特点包括精准的电流转矩控制、拓宽电机转速区间、实现快速动态响应、散热性能优异、适配大功率电机。搭载智能蓝牙APP互联功能，可通过手机直接调试设置参数；面向整车项目，支持硬件改版、软件参数定制开发，可根据客户整车方案做适配调整。

被广泛应用于电轻摩、高速电摩、越野电动车、场地特种车等新能源两轮及特种出行领域。

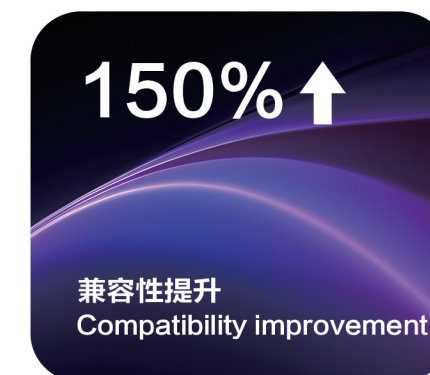
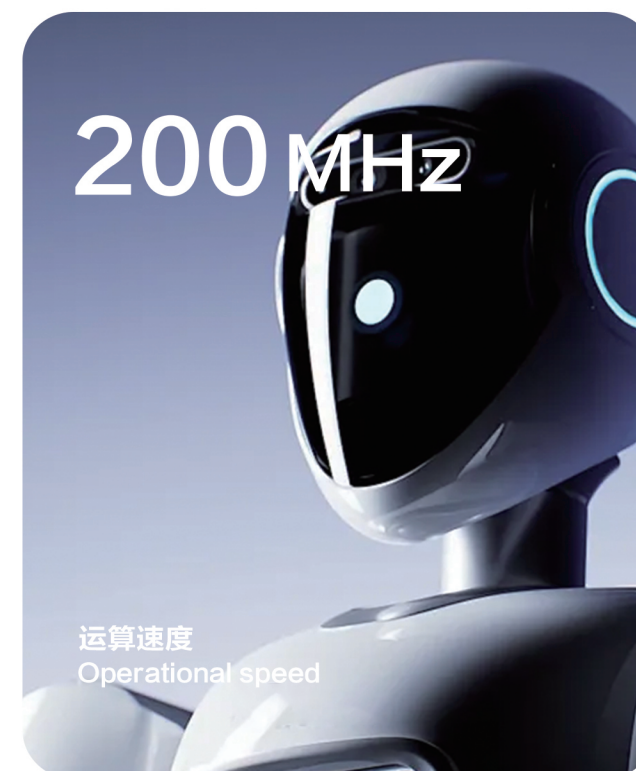
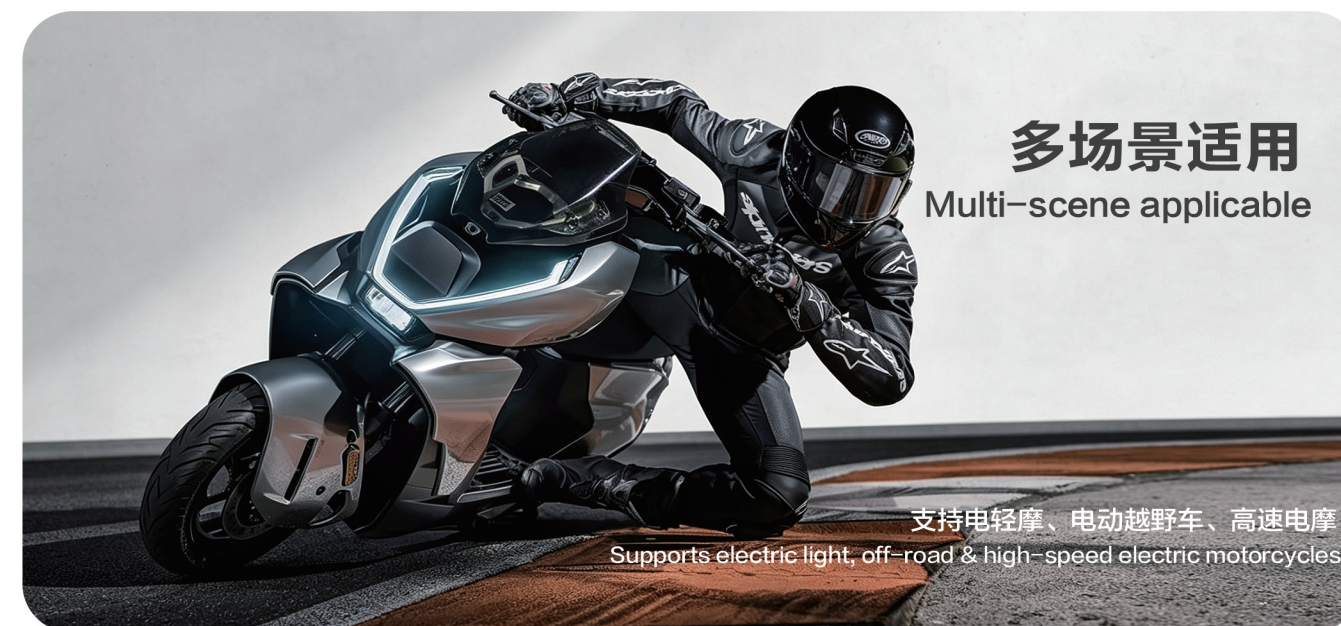
我们始终坚持现代化企业管理体系，持续提升产品在国内外市场的综合竞争力。竭诚欢迎国内外客户来电来访，洽谈合作。

The Metis vector electric-vehicle controller features precise current-torque control, an extended motor speed range, rapid dynamic response, excellent heat dissipation, and compatibility with high-power motors.

Equipped with intelligent Bluetooth APP interconnection, it supports direct parameter debugging and setting via mobile phones. For complete-vehicle projects, hardware revision and customized software parameter development are available, with adaptive adjustments

Widely applied in new-energy mobility fields such as light-speed e-mopeds, high-speed e-mopeds, off-road electric vehicles and special-purpose site vehicles.

We consistently adhere to a modern enterprise management system and continuously enhance our products' overall competitiveness in domestic and international markets. We sincerely welcome customers at home and abroad to contact or visit us for business cooperation discussions.



*以上数据均来自美蒂斯电驱动

* All data above are from MEIDISI Electric Drive.



M系列 M260 (48/60/72V)

额定功率: rated power	1.0-2.0KW
额定电压范围: Rated voltage range	48-72V
母线电流区间: Line current range	40-80A
相线电流区间: Phase current range	100-260A
产品尺寸: Size	180*104*51mm
散热方式: Cooling method	风冷 Air cooling
重量: Weight	850g
防水等级: Waterproof rating	IP67

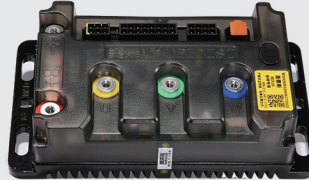




M系列 M430 (48/60/72V) A型

额定功率: rated power	1.0-3.0KW
额定电压范围: Rated voltage range	48-72V
母线电流区间: Line current range	50-150A
相线电流区间: Phase current range	100-430A
产品尺寸: Size	178*104*56mm
散热方式: Cooling method	风冷 Air cooling
重量: Weight	1135g
防水等级: Waterproof rating	IP67





M系列 M310 (48/60/72V) A型

额定功率: rated power	1.0-2.5KW
额定电压范围: Rated voltage range	48-72V
母线电流区间: Line current range	40-100A
相线电流区间: Phase current range	100-310A
产品尺寸: Size	180*104*51mm
散热方式: Cooling method	风冷 Air cooling
重量: Weight	900g
防水等级: Waterproof rating	IP67

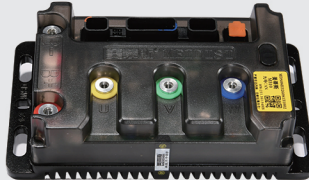




M系列 M560 (48/60/72V) A型

额定功率: rated power	2.0-5.0KW
额定电压范围: Rated voltage range	48-72V
母线电流区间: Line current range	80-200A
相线电流区间: Phase current range	100-560A
产品尺寸: Size	176*104*55mm
散热方式: Cooling method	水冷 Water cooling
重量: Weight	1300g
防水等级: Waterproof rating	IP67





M系列 M310 (48/60/72V) B型

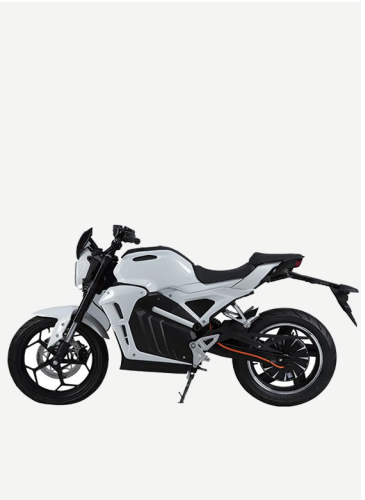
额定功率: rated power	1.0-2.5KW
额定电压范围: Rated voltage range	48-72V
母线电流区间: Line current range	40-100A
相线电流区间: Phase current range	100-310A
产品尺寸: Size	180*104*51mm
散热方式: Cooling method	风冷 Air cooling
重量: Weight	900g
防水等级: Waterproof rating	IP67





M系列 M560 (48/60/72V) B型

额定功率: rated power	2.0-5.0KW
额定电压范围: Rated voltage range	48-72V
母线电流区间: Line current range	80-200A
相线电流区间: Phase current range	100-560A
产品尺寸: Size	176*104*55mm
散热方式: Cooling method	水冷 Water cooling
重量: Weight	1300g
防水等级: Waterproof rating	IP67





M系列 M760 (48/60/72V)

额定功率: rated power	2.0-5.0KW
额定电压范围: Rated voltage range	48-72V
母线电流区间: Line current range	80-350A
相线电流区间: Phase current range	100-760A
产品尺寸: Size	189*118*55mm
散热方式: Cooling method	风冷 Air cooling
重量: Weight	1688g
防水等级: Waterproof rating	IP67

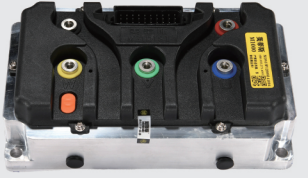




M系列 H500 (48/60/72V/84/96)

额定功率: rated power	2.0-4.0KW
额定电压范围: Rated voltage range	48-96V
母线电流区间: Line current range	80-250A
相线电流区间: Phase current range	100-500A
产品尺寸: Size	189*118*55mm
散热方式: Cooling method	风冷 Air cooling
重量: Weight	1688g
防水等级: Waterproof rating	IP67

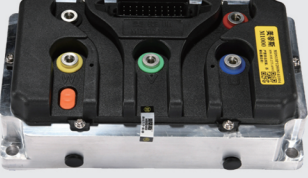




P系列 M1000 (48/60/72V)

额定功率: rated power	2.0-6.0KW
额定电压范围: Rated voltage range	48-72V
母线电流区间: Line current range	80-450A
相线电流区间: Phase current range	100-1000A
产品尺寸: Size	189*118*55mm
散热方式: Cooling method	水冷 Water cooling
重量: Weight	1950g
防水等级: Waterproof rating	IP67





P系列 H600 (48/60/72V/84/96)

额定功率: rated power	2.0-5.0KW
额定电压范围: Rated voltage range	48-96V
母线电流区间: Line current range	80-300A
相线电流区间: Phase current range	100-600A
产品尺寸: Size	189*118*55mm
散热方式: Cooling method	水冷 Water cooling
重量: Weight	1950g
防水等级: Waterproof rating	IP67

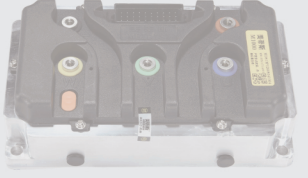




M系列H400(48/60/72/84/96V)

额定功率: rated power	1.0-2.0KW
额定电压范围: Rated voltage range	48-96V
母线电流区间: Line current range	50-150A
相线电流区间: Phase current range	100-400A
产品尺寸: Size	176*104*55mm
散热方式: Cooling method	水冷 Water cooling
重量: Weight	1300g
防水等级: Waterproof rating	IP67





P系列 H2000 在研

额定功率: rated power	2.0-20KW
额定电压范围: Rated voltage range	48-96V
母线电流区间: Line current range	100-1500A
相线电流区间: Phase current range	200-2000A
散热方式: Cooling method	水冷 Water cooling
防水等级: Waterproof rating	IP67

澎湃电驱动 无刷电机控制系统

Surge Drive Electric Bldc Motor Control System

支持多种传感器型号，灵活适配不同电机类型和应用场景对位置传感器的需求。

Supports multiple sensor models to flexibly meet the position-sensor requirements of different motor types and application scenarios.

MEIDISI控制器全面兼容三大主流传感器：

霍尔传感器（Hall Sensor）-经济实用，适用于大多数直流无刷电机。

磁编码器（Magnetic）-精度更高，适用于对位置传感器要求较高的场景。

旋转变压器（Resolver）-耐高温，抗振动，适用于大功率，高可靠性要求的工业及车载应用。

The Metis controller fully supports three mainstream sensors:
Hall Sensor: Cost-effective and practical, suitable for most BLDC motors.
Magnetic Encoder: Higher precision for high-requirement position-sensing scenarios.
Resolver: High-temp & vibration-resistant for high-power, high-reliability industrial and on-vehicle applications.

支持多种协议通信，在电驱系统中，控制器与仪表，BMS,VCU等部件通信至关重要。

MEIDISI全面支持CAN、RS485、UART、一线通等多种协议通信

Supports multiple communication protocols. For electric drive systems, reliable communication between the controller, instruments, BMS and VCU is essential.
MEIDISI provides full support for various communication protocols: CAN,

应用领域 APPLICATION EIDLDS

电摩、电动自行车、滑板车、AGV
electric motorcycles, electric bicycles, e-scooters, AGV

低速电动车、高尔夫球车、观光车
low-speed electric vehicles, golf carts, sightseeing vehicles

物流机器人、电动农机、小型电动船舶
logistics robots, electric agricultural machinery, small-size electric vessels



编码器故障保护
Encoder Fault Protection



油门踏板故障保护
Accelerator Pedal Fault Protection



控制器温度保护
Controller Temperature Protection



电机温度保护
Controller Temperature Protection



电机漏电保护
Motor Leakage Protection



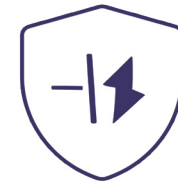
防飞车保护
Anti-runaway Protection



过压保护
Overvoltage Protection



欠压保护
Undervoltage Protection



过流保护
Overcurrent Protection



相线短路保护
Phase Short-circuit Protection



● 完善的保护功能:

对工作电压、电流、度、电机、档位、油门踏板、刹车等进行监控。确保车辆行驶控制安全。

Comprehensive Protection Functions

Monitor working voltage, current, temperature, motor, gear, accelerator pedal, brake and other items to ensure safe vehicle driving control.