

What is an electric drive module?

The electric drive module integrates the next-generation separate motor-generator and power electronics in a single system, which helps to achieve synergy effects. The new power electronics is specially optimized for attachment to the electric motor. The module thus serves as an electric powertrain for (plug-in) hybrid and electric vehicles.

What is atom drive battery module?

The Atom Drive Battery Module was designed to be compact and modular. The cell-to-pack design forgoes the traditional battery sub-module to achieve increased energy density. Each module stores 14 kWh of energy and only weighs 182 lbs which comes in around 7% lighter than a standard Tesla battery.

How are atom drive batteries assembled?

Atom Drive battery modules are assembled in house by the Ampere EV engineers and technicians. The cells themselves are bonded to one another with an EV specific 2-part thermal epoxy and nickel-plated copper bus bars are laser welded to join the cells into cell groups.

Is the atom drive battery module safe?

These features make the Atom Drive Battery Module one of the safest packs on the market for both installers and users alike! Ultimate plug and play compatibility is the overall goal of the Atom Drive System from Ampere EV.

What is a BMS battery module?

With the BMS, the battery module can communicate real-time individual cell information to the Vehicle Control Unit (VCU) insuring performance, longevity, and safety. All the components used are UL94 V-0 or better, which is the best possible rating for a material's burn rate and ability to self-extinguish.

What is a power electronics module?

The new power electronics is specially optimized for attachment to the electric motor. The module thus serves as an electric powertrain for (plug-in) hybrid and electric vehicles. Electric motor and power electronics in a single powertrain unit Ready for deployment in diverse powertrain topologies

A battery pack should be much more than just a box to hold the modules. Our engineering consultants can work with you to determine the size and configuration of modules to give you the total kWh, voltage, and dimensions ...

The Atom Drive Battery Module is a fully modular battery pack designed and built in-house by Ampere EV. All components are 100% new and not recycled from production EVs. Every detail has been engineered to reduce ...

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The modular eAxle is a compact, cost-attractive electric drive solution for battery-electric vehicles and hybrid applications. The vehicle control unit as central E/E architecture component for all powertrain types. Purely electric propulsion is ...

A battery pack should be much more than just a box to hold the modules. Our engineering consultants can work with you to determine the size and configuration of modules to give you the total kWh, voltage, and dimensions that you need for your application. Our battery packs come equipped with an imbedded EVD advanced Battery Management System ...

From DC high-voltage 400V/800V battery module to convert AC 115V or 230V power, which can be used by external AC power devices. Traction products are major parts in an electric vehicle.

This TP4056 1A Li-Ion Battery Charging Board Type C with Current Protection is a tiny module, perfect for charging single cell 3.7V 1 Ah or higher lithium-ion (Li-Ion) cells such as 16550s that don't have their own protection circuit.

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The OX-Drive POWER (OXD P) battery modules are an excellent go-to battery for both power dense solutions and custom configurations. They are highly configurable allowing for a wide range of applications. Density and Fitment: OXDP modules are a ideal for higher voltage EV projects.

The eAxle systems are a compact, cost-attractive electric drive solution for battery-electric vehicles and hybrid applications. The electric motor, power electronics and transmission are combined in a compact unit directly powering the vehicle's axle. This aids in making electric drives less complex but simpler. Additionally, the powertrain becomes cheaper, more compact and ...

Mini Type C Micro USB TP 4056 1A Charging Module: Efficient Charging Solution for 18650 18500 3.7 Volt Lithium Ion Batteries The TP4056 is a commonly used lithium-ion battery charging module designed to charge single-cell lithium-ion or lithium-polymer batteries with a nominal voltage of 3.7V. It's widely utilized in v

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