

HYBRID SYSTEM SOLUTIONS

Product Technical Sheet

Dayco Hybrid Module - P1

As a system integration specialist, Dayco, together with its strategic partners, is transforming the light and heavy-duty industry with its innovative and customizable Dayco Hybrid Module (DHM), which supports the OEMs to provide a high-value technology differentiation for their mild and full hybrid applications. This DHM for P1 architecture is a modular and high-performance integrated system for the passenger car, commercial vehicle, and off-highway segments, that improves the system’s performance and increases powertrain uptime by reducing NVH. Dayco is the only brand that offers a premium package of propulsion system solutions for a wide range of applications with world-class global R&D capabilities and local manufacturing footprints.



Technical Attributes

- Modular, efficient, and scalable hybrid system solutions
- Power up to 130 kW / 400 Nm torque
- Includes inverter / power control modules and DC/DC converters
- Highly efficient and adaptable for 48 V, 350 V or 800 V
- Fully integrated solution for existing powertrains.

Features/ Benefits

- Adaptable high-performance integrated system for the passenger car, commercial vehicle, and off-highway segments
- Improved system performance and reliability
- Can be combined with in-house developed powertrains
- Optimized fuel savings and noise, vibration, harshness (NVH)
- More durable and sustainable with reduced CO₂ emissions
- Increased powertrain lifetime and enhanced system uptime

Value add to Customer

- World-class global R&D and testing capabilities, with local manufacturing footprints
- High-value technology differentiation as a complete system integrator
- Delivering to leading engine and vehicle manufacturers across the globe
- Unique hybrid systems that meet customer specifications for fuel savings of 15-20%* (48V)
- Enables internal combustion engine downsizing to meet latest CO₂ emission legislation
- Provides additional electric power to onboard accessories
- Reduced total cost of ownership

Applications

- **Light Duty:** Passenger vehicle, light commercial vehicles, performance, and premium cars
- **Heavy Duty:** Commercial vehicles, agricultural equipment, construction equipment

*Under test conditions

More than 115 years of Delivering Innovation

North America | South America | Europe | Asia Pacific

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