

**HYBRID SYSTEM SOLUTIONS**

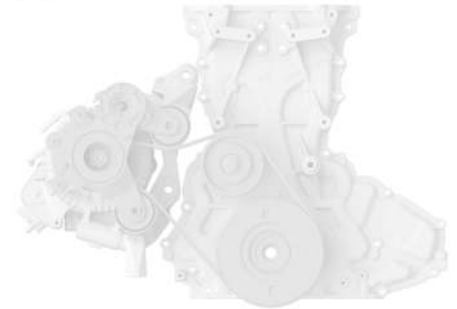
Product Technical Sheet

# BSG Mild Hybrid Solutions - P0

Dayco is a market leader that has been proudly supplying components and subsystems for BSG Mild Hybrid Powertrains, also known as P0 Architecture for more than a decade. Over this period, Dayco has positioned itself as a technology leader and a preferred partner that provides environment-friendly and energy-saving systems for P0 hybrid vehicles powering leading passenger cars and light commercial vehicle brands worldwide. Dayco is the only brand that offers a premium package of complete P0 BSG mild hybrid solutions with a wide range of decouplers, tensioners, idlers/pulleys, and belts all in one place with world-class global R&D capabilities and local manufacturing footprints.

**Technical Attributes**

- Integrated design of belt, tensioner, decoupler, electric motor and control system for P0 hybrid vehicles
- Modular design (12V or 48V) with power up to 35kW
- Efficient and optimized system mapping
- Real-time control action: no static calibration maps









**Features/Benefits**

- Optimization of each component results in a highly efficient BSG system
- Highly engineered and durable that optimizes NVH (noise, vibration, and harshness)
- Improved system performance and reduced carbon footprints (CO<sub>2</sub>) with fuel savings of up to 12%\*
- Premium and proven P0 hybrid system solution with a competitive footprint and global sourcing
- Increased lifetime of accessory drive components resulting in enhanced system uptime
- Reduced total cost of ownership

**Value add to Customer**

- Dayco as a system integrator and complete solution provider allows additional average CO<sub>2</sub> savings and makes full vehicle analysis including the control logic optimization
- World-class global R&D and testing capabilities with local manufacturing footprints
- A novel model-based approach for energy flow management in Px hybrid architectures
- Dayco along with its strategic partners manage energy control of mild hybrid vehicles
- Delivering proven P0 hybrid systems to leading engine and vehicle manufacturers across the globe

**Applications**

- **Light Duty:** Passenger cars, light commercial vehicles, premium performance cars
- **Heavy Duty:** Trucks, buses, construction equipment, agricultural machinery

\*Under test conditions

## More than 115+ years of Delivering Innovation

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