Explore our Technologies

P2 Module

for Hybrid Vehicles
Fast-to-market hybridization available now

BorgWarner’s P2 module converts a combustion-powered vehicle into a hybrid without changing the engine or transmission. That means automakers can easily expand their vehicle portfolio with less investment and more flexibility.

Placed between the engine and transmission, the highly efficient P2 module combines a high-voltage electric traction motor, engine disconnect clutch, clutch control module and dual mass flywheel into a compact package nested inside the motor.

**One module, one simple solution.**

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**Features and Benefits**
- Compatible with all transmission architectures, including manual transmissions
- Compact design with up to three nested clutches minimizes overall length
- Efficient oil and water-cooled traction motor
- High-performance, low-noise stator offers 95% peak efficiency
- Integrated dual mass flywheel and engine disconnect clutch
- S-winding technology improves power density

**Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Axial Length</td>
<td>167 mm</td>
</tr>
<tr>
<td>Peak Torque</td>
<td>&gt; 330 Nm</td>
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<tr>
<td>Peak Power</td>
<td>&gt; 80 kW</td>
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