



The new Atego BlueTec[®] Hybrid



Mercedes-Benz
Trucks you can trust

We don't just talk about sustainability. We also bring it to the road: the new Atego BlueTec® Hybrid

Our declared objectives: lower fuel consumption and lower CO₂ emissions. The way to achieve this: BlueTecEco – a raft of measures aimed at injecting more economy and ecology into transportation. A further milestone: the new Atego with hybrid drive.

Mercedes-Benz has long been committed to sustainable solutions that help to reduce fuel consumption and CO₂ emissions. As a result of this dedication, we have succeeded in reducing fuel consumption by around 30% in the last 40 years. Major reasons behind this progress, alongside the on-going optimisation of existing technologies, include developments such as BlueTec®, the SCR diesel technology from Mercedes-Benz, and the engine start/stop system. Technical solutions aside, BlueTecEco helps to reduce fuel consumption by offering a comprehensive programme of advice, training and seminars.

The new Atego BlueTec® Hybrid is our latest development to hit the road – one which further underlines Mercedes-Benz's commitment when it comes to sustainable technologies. With the customary high levels of reliability and cost-effectiveness, a new front end, a wealth of new equipment and appointments that enhance ride comfort and workplace comfort, and a drive system that points the way ahead for short-radius distribution. Thanks to lower fuel consumption, lower CO₂ emissions and more sustainability. The new Atego BlueTec® Hybrid.

Short-radius distribution with the new Atego BlueTec® Hybrid: lower fuel consumption, lower CO₂ emissions

The Atego BlueTec® Hybrid reduces fuel consumption and CO₂ emissions thanks to the intelligent combination of hybrid components with an economical BlueTec® 5 EEV engine, Telligent® automatic gearshift and an engine start/stop system.

The Atego BlueTec® Hybrid is equipped with a diesel engine and, in addition, an electric motor. They can power the Atego individually or together. The electric motor draws its energy from a lithium-ion battery, which is charged mainly during braking – through the conversion of kinetic energy into electrical energy. When starting off, for example, the Atego BlueTec® Hybrid is driven by the electric motor, thus ensuring quiet, fuel-efficient and low-emission operation. The internal combustion engine is merely idling during this time. In many other driving situations, too, the Atego reduces fuel consumption and CO₂ emissions. When accelerating, for example, as the already economical Euro 5 engine saves fuel thanks to the assistance provided by the electric motor and therefore operates even more efficiently. What's more, the standard-fit engine start/stop system stops the engine automatically when the vehicle is halted at traffic lights, for example, before restarting it when the vehicle is ready to move off again. This system likewise reduces fuel consumption and CO₂ emissions.



The key components of the Atego BlueTec® Hybrid drive system at a glance:
1. Diesel engine 2. Electric motor/alternator 3. Inverter (below equipment carrier) 4. Lithium-ion battery 5. Hybrid cooling system for electric motor/alternator and inverter 6. Automated transmission with Telligent® automatic gearshift

How the new Atego BlueTec® Hybrid does its bit for the air around us

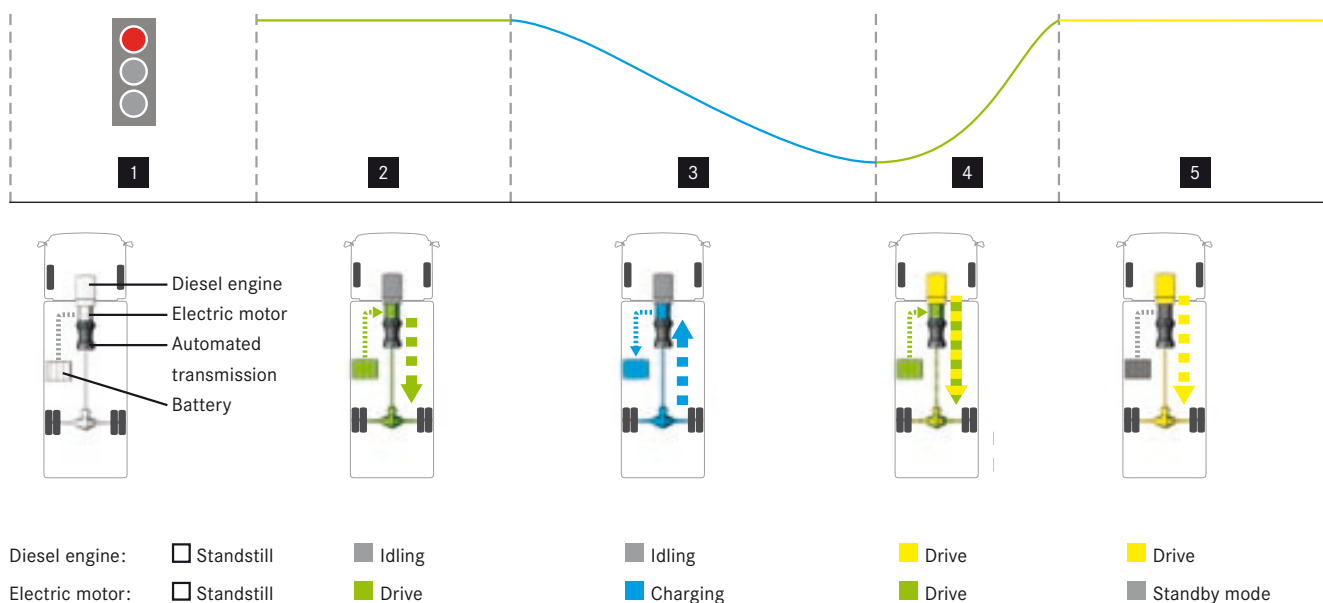
The Atego BlueTec® Hybrid recuperates energy and saves fuel.

The result: 10 to 15% lower fuel consumption and an equally significant reduction in CO₂ emissions.

 Stored energy is made available (electric drive)

 Braking energy is recuperated and charges the lithium-ion battery

 Conventional driving



1. Start/stop

The engine start/stop system stops the diesel engine automatically when the vehicle is at a standstill and restarts it immediately when the vehicle is ready to move off again.

2. Starting off

When starting off, the vehicle is powered by the electric motor, with the energy required for this being provided by the lithium-ion battery. The internal combustion engine is idling during this time.

3. Energy recuperation

When the vehicle decelerates, the electric motor functions as an alternator and converts braking energy into electrical energy, which is then stored in the lithium-ion battery.

4. Drive assistance

Whilst driving, the diesel engine is assisted by the electric motor. This saves fuel, as the diesel engine can be operated in an efficient rpm range more frequently.

5. Conventional driving

The economical, ecofriendly BlueTec® 5 engine in the Atego forms the basis for low fuel consumption and low emissions.



BlueTec® Hybrid – Atego trucks bearing this badge incorporate advanced hybrid technology – for low fuel consumption and low emissions



Advantages at a glance

- Fuel consumption 10–15% lower compared to the conventional Atego
- Exceptionally low exhaust emissions thanks to compliance with the EEV limits
- Hybrid drive and engine start/stop system for lower fuel consumption and low CO₂ emissions
- Telligent® automatic gearshift and engine start/stop system as standard

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