

 **Made in Germany**
Quality since 1946

mOLL
BATTERIEN

AFB
start-stop



Smarter than any AGM!

Higher performance and efficiency for modern vehicles

MOLL AFB start-stop – the direct replacement for AGM.



MOLL sets new standards in the replacement market with AFB start-stop technology

MOLL, the inventor of the modern **EFB** (Enhanced Flooded Battery), is setting new standards with the new **AFB start-stop** battery (Advanced Flooded Battery). This innovative battery is the smart and more energy-efficient replacement for an AGM battery and has been specially developed for vehicles with start-stop function.

Innovative technology from MOLL

The **AFB start-stop** is based on the proven **MOLL EFB** technology and has been further developed to seamlessly integrate into an AGM electrical system.. This means that the **MOLL AFB start-stop** can be used in vehicles originally designed for AGM batteries - a significant advancement for the replacement market.

While AGM batteries were developed for high cyclic strain, which is often not needed in modern vehicles, the **MOLL AFB start-stop** scores with higher micro-cycle stability and OEM quality.

The **MOLL AFB start-stop** is further characterized by excellent recuperation capability. It can efficiently absorb and store energy recovered during braking, which contributes to further improvement in fuel efficiency and further reduces CO2 emissions. This feature makes it particularly suitable for modern vehicles with energy recovery systems.

In laboratory tests, the MOLL AFB start-stop proves its exceptional endurance: it masters up to 78,000 start-stop cycles - an impressive performance for years of reliable use in demanding urban traffic.



Find all products and even more information in the complete **MOLL** catalog!



Sustainable and economical solution

With **AFB** technology, **MOLL** focuses on the requirements of modern motor vehicles: Significant CO2 and fuel savings thanks to the start-stop function. The long-lasting **MOLL AFB start-stop** thus offers a sustainable and time-value-appropriate solution for the replacement market.

Proven technology and innovation

Since 2012, the **MOLL EFB** has been installed as Original Equipment (OE) in millions of cars, including those of the VW Group. Now **MOLL** is setting new standards again with the **AFB start-stop** and offers the replacement market a time-value-appropriate, direct replacement for AGM batteries!

For questions, our sales team is at your disposal:
✉ service@moll-batterien.de

Why choose MOLL AFB start-stop?

- ✓ **Replaces AGM:** The **MOLL AFB start-stop** is the smart alternative to AGM batteries, seamlessly integrating into any electrical system.
- ✓ **OEM Quality:** The battery is manufactured to original equipment standards and meets the highest demands for reliability and performance.
- ✓ **MegaGrid Technology:** Superior corrosion resistance for extended battery life.
- ✓ **Nano-Carbon Technology:** Ultra-fast charging capability and high cold cranking performance.
- ✓ **Maximum Leak Protection:** The patented double lid ensures maximum protection against leakage.
- ✓ **Start-Stop Technology:** Optimally suited for vehicles with start-stop systems.
- ✓ **Highest Cycle Stability:** Featuring even higher cycle stability, making it perfect for demanding applications.
- ✓ **Recuperation Capable:** Efficient energy recovery from braking processes.
- ✓ **High Resilience with Multiple Consumers:** The **MOLL AFB start-stop** easily handles the demands of modern vehicles with numerous electrical consumers.
- ✓ **Excellent Cold Start Performance:** Reliable even at extremely low temperatures.
- ✓ **Superior Thermal Resistance:** Robust construction ensures high resistance to heat.
- ✓ **High Vibration Resistance:** Designed to withstand the most challenging conditions.
- ✓ **Maintenance-Free:** Low water consumption thanks to Ca/Ca technology.
- ✓ **Recyclable:** Over 99% recyclable.
- ✓ **Quality Made in Germany:** Reliable German quality and engineering expertise.



Sectional view ©MOLL Batterien

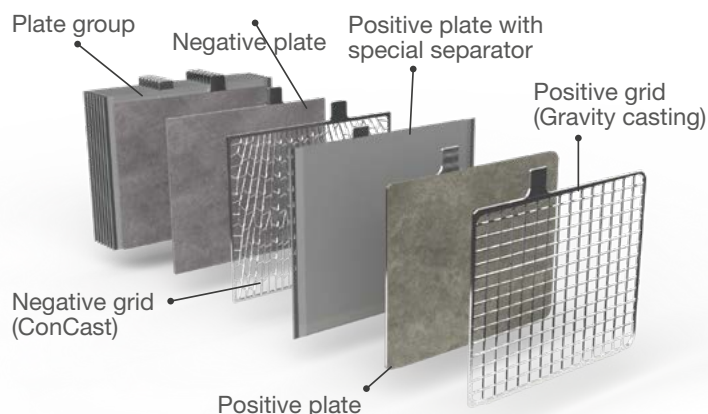


Plate group ©MOLL Batterien

MOLL Type no	Capacity Ah (20h)	Cold-cranking current A (EN)	Terminal position	Terminal type	Box	Max. outer dimensions [mm]		
						Length	Width	Height
86054	54	540	0	1	H4/L1	210	175	190
86066	66	680	0	1	H5/L2	242	175	190
86076	76	760	0	1	H6/L3	278	175	190
86086	86	800	0	1	H7/L4	315	175	190
86096	96	860	0	1	H8/L5	353	175	190
86106	106	950	0	1	H9/L6	394	175	190

All specifications according to EN 50342

As of 10/2024

mOLL Original Equipment Manufacturer

MOLL - Over 78 Years of Success Made in Germany

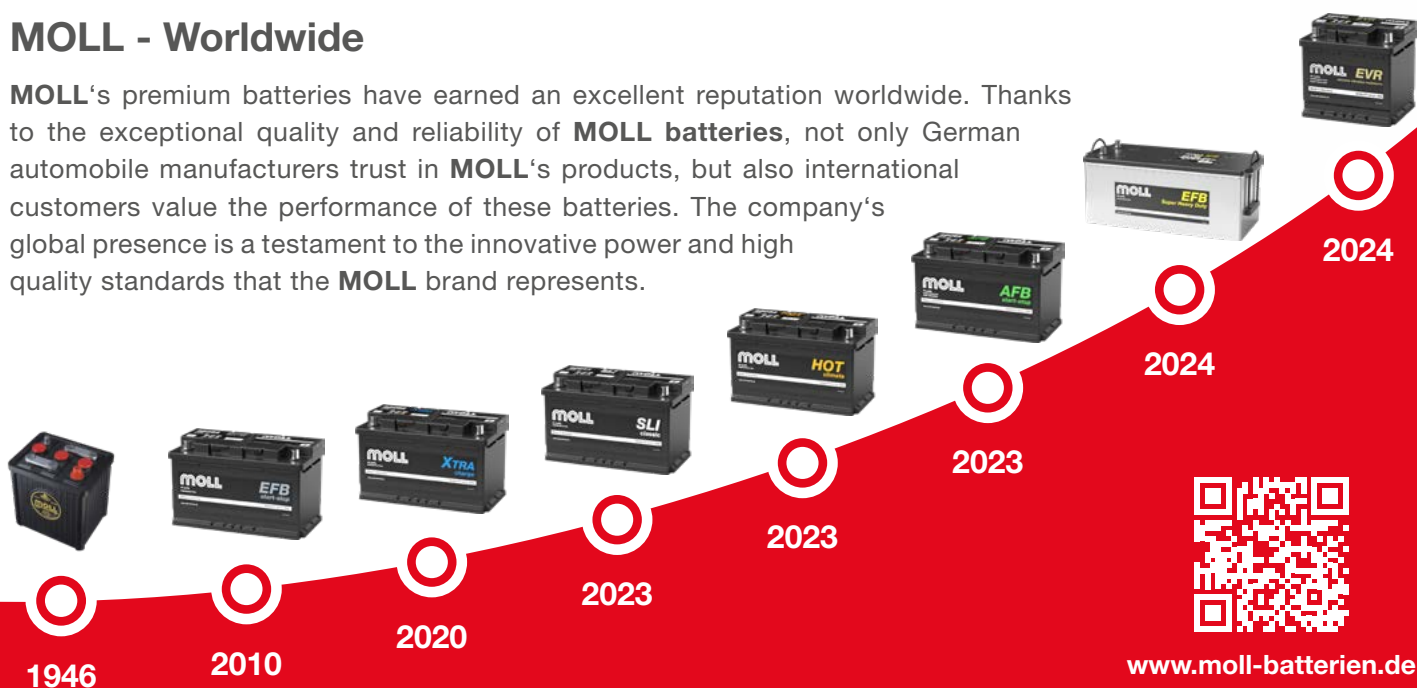
As a specialist, **MOLL** has significantly influenced the entire battery industry through innovations. The success of this medium-sized company is based on technical expertise, practical and future-oriented development, and consistently high quality standards. For decades, **MOLL** has been supplying premium batteries as original equipment for premium brands in the German automotive industry.

MOLL - The Inventor of Modern Start-Stop Batteries

Since 1946, millions of **MOLL batteries** have left the factory in Bad Staffelstein, Bavaria, for use all around the world. Groundbreaking technical developments with numerous proprietary patents and the highest quality standards in production have been the company's guiding principles from the very beginning. These continue to shape the company's philosophy to this day and guarantee the premium quality of the products in the future. **MOLL** has made a name for itself through continuous innovations and its own patents. Particularly noteworthy is the development of the modern **EFB start-stop battery (Enhanced Flooded Battery)** since 2010. This innovative battery generation was developed to meet high customer demands. With the further development of the **AFB start-stop battery (Advanced Flooded Battery)** technology, **MOLL** is again setting new standards in the aftermarket and offers a smart alternative to the AGM battery, which is surpassed by the **MOLL AFB** in terms of performance, durability, and reliability.

MOLL - Worldwide

MOLL's premium batteries have earned an excellent reputation worldwide. Thanks to the exceptional quality and reliability of **MOLL batteries**, not only German automobile manufacturers trust in **MOLL's** products, but also international customers value the performance of these batteries. The company's global presence is a testament to the innovative power and high quality standards that the **MOLL** brand represents.



Premium quality for premium brands

MOLL supplies renowned automobile and commercial vehicle manufacturers with original equipment, including:

Audi, Porsche, Mercedes-Benz, Seat, Škoda, Volkswagen, Ineos Grenadier, Ammann, Delko, Frankia, Hamm, Hammelmann, Holmer, Kaeser, Liebherr, Tadano Faun, Prinoth, Weber MT and many more.



PORSCHE



SKODA

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