



Das Auto.

**Volkswagen Economy 72 Ah
starter battery
compared.**
High quality for older models.



Volkswagen Economy starter batteries top the quality test

Despite the time-value-based specifications, our special product line for older vehicles offers extremely high quality. In a test comparison with batteries supplied by brand manufacturers Fiamm, Banner und Varta, the **Volkswagen Economy starter battery** with a rated capacity of 12 V 72 Ah is by far the **best choice**. We would, though, like to point out that this was not a representative test, so the results cannot be generalized, but relate exclusively to the named products and not to others on the market. The FAKT GmbH test results are filed with Volkswagen AG and can be viewed by writing to: **Volkswagen AG, Konzern Vertrieb Original Teile und Service, Brieffach 4954, 34219 Baunatal**

Test

FAKT GmbH is a testing organization that regularly carries out tests on car batteries for technical inspectorates and the trade press. On the commission of Volkswagen AG, the organization submitted an Economy starter battery and three competitor products to the standard tests and assessments. FAKT GmbH purchased the products for the test anonymously from a dealer and put them all through the same, rigorous test process. The test equipment and procedures met the standards applied to normal car battery tests.

Test winner
Economy battery
from Volkswagen AG

with a capacity of 12 V 72Ah

Tested
by



Kraftfahrtechnisches
Prüf- und Ingenieurzentrum

commissioned by Volkswagen AG



Summary of results

Economy Parts are designed to provide a value-for-money repair solution for older vehicles, while maintaining the typical Volkswagen high quality. The product comparison test demonstrates that this is indeed the case. The Volkswagen Economy starter battery is the clear winner in the tested selection.

Before the test, the batteries were weighed to gain some idea of the lead content. This showed that the Economy battery was heaviest.



The individual test stages and the overall result

Capacity measurement

The first stage involved measuring the capacity in the as-delivered condition. Following on from this, all the test products were fully charged to check whether they did what the label promised. In both cases, the Volkswagen Economy starter battery was well out in front of the tested competitors, with the second placed Varta Silver Dynamic registering a capacity of just 63 Ah, despite the label claiming 74 Ah. The capacity of the other two batteries was even lower.

Cycle life (service life test)

For this test, the batteries were discharged and recharged repeatedly. The Economy starter battery easily handled 17 of these discharge/recharge cycles before the output fell below the defined 10.5 V minimum. The nearest competitor in the test, the Varta Silver Dynamic, managed only 7 cycles. With 55 percent of the rated capacity remaining, the Economy battery was again ahead of the other tested products. These results show that the deterioration of the Volkswagen Economy starter battery is the lowest and its life the longest.

Cold-start test at -20°C

To test the winter capability, a cold winter's night was simulated, followed by starting tests. The Fiamm Diamond achieved 19 cold starts, with the Volkswagen Economy starter battery managing 14. In the follow-on capacity measurement, however, the Economy battery was once again out in front.

Damaging deep discharge down to 6 V

Accidentally leaving the vehicle lighting on discharges the starter battery and can lead to permanent damage. This simulation was used to assess the time to discharge. The Volkswagen Economy and Banner batteries lasted 9.62 hours, with only the Varta Silver Dynamic lasting longer at 9.96 hours. The last-placed Fiamm Diamond was already dead after 8.67 hours.

Tilt and shake test and functional check

All the tested batteries performed well in the test of shake resistance and tilt stability, with the exception of the Fiamm Diamond, from which electrolyte escaped out of the ventilation hole. The follow-on functional check was passed by all the tested products.

Disassembly and measurement

The final stage involved splitting all the batteries open and separating them into their individual parts, allowing the exact weights of each component to be recorded. At 15 kg, the Volkswagen Economy starter battery had the highest weight of the lead plates. The battery with the second highest weight was the Varta Silver Dynamic at 12.3 kg. However, the results of this stage of the test were not included in the overall result.

	Possible points	VW Economy battery	Fiamm Diamond	Varta Silver dynamic	Banner Power Bull
Capacity [Ah]		72	74	74	74
Dead weight [kg]		19,6	17,0	17,1	17,1
Capacity tests	200	196	147	162	150
Cold-start test	200	147	200	147	137
Deep discharge	50	48	44	50	48
Handling	50	50	20	50	50
Total points	500	441	411	409	385
Ranking		1.	2.	3.	4.

Volkswagen Economy Parts – their benefits

- + Cold-start reliability
- + Maintenance-free
- + No increasing self-discharge with increasing battery age
- + Integrated usage indicator (acid level indicator)
- + Good price

The stand-out features of Volkswagen products

Volkswagen Economy Parts

- are time-value adapted Genuine Parts, based on the parts used in vehicle manufacture
- are a perfect fit with the existing vehicle components, ensuring they work well together
- provide you with flawless functionality and good quality at affordable prices

The intelligent solution for older Volkswagens. We will be happy to supply you with further information.

Buy with certainty from your Volkswagen dealer!

