

# VARTA® THE ORIGINAL.

Our products and services.



**FOR AUSTRALIA  
& NEW ZEALAND**

The extensive range of VARTA products and service solutions gives your business the power to succeed.

[www.varta-automotive.com](http://www.varta-automotive.com)

It all starts with  **VARTA®**

# VARTA® MOVES YOU FORWARD.

Your best battery choice.



Engineered in Germany, VARTA Automotive batteries are designed to deliver the optimal level of power and longevity for every kind of car. Whether you need batteries for standard vehicles, highly equipped cars with Start-Stop systems or any kind of electric vehicle – VARTA always offers the right technology for every energy demand. By choosing VARTA automotive batteries, you can be assured of reliable precision technology that delivers best in class manufacturing quality.

As the world's leading battery manufacturer, Clarios is the number one supplier for all renowned Original Equipment Manufacturers with its VARTA brand. VARTA products are fulfilling all OE requirements. They are purpose-built for the highest performance, thanks to the patented PowerFrame® grid technology and more than 100 process and product parameters measured during the production process. That is why well-known manufacturers such as Mercedes, Volkswagen and BMW are fitting their cars with VARTA batteries.

So, make VARTA your first choice and learn more about changes in the battery market and our products and services on the following pages in this brochure.

# POWERING FUTURE TECHNOLOGY.

The role of 12V batteries in electric vehicles.



Electric vehicles require two interdependent batteries: a high-voltage battery that powers the drivetrain, and an advanced 12-volt battery that handles key offloads. It plays a critical role in supporting the car's electrical network, powering everything from heated seats and infotainment systems to safety features like brake boosters and pedestrian detection systems.

### Safety functions

- Anti-lock braking system (ABS)
- Electronic Stability Program (ESP)
- Anti-Slip Regulation (ASR)

### Essential consumers

- Heated rear window
- Central locking
- Electric windows



### Comfort functions

- Heating and cooling
- Infotainment
- Wifi and Bluetooth

### On-Board systems

- Battery management system
- Electric water pump

### Assistance systems

- Pedestrian detection systems
- Brake assist
- Auto directional headlights

## ELECTRIC VEHICLE TERMINOLOGY.



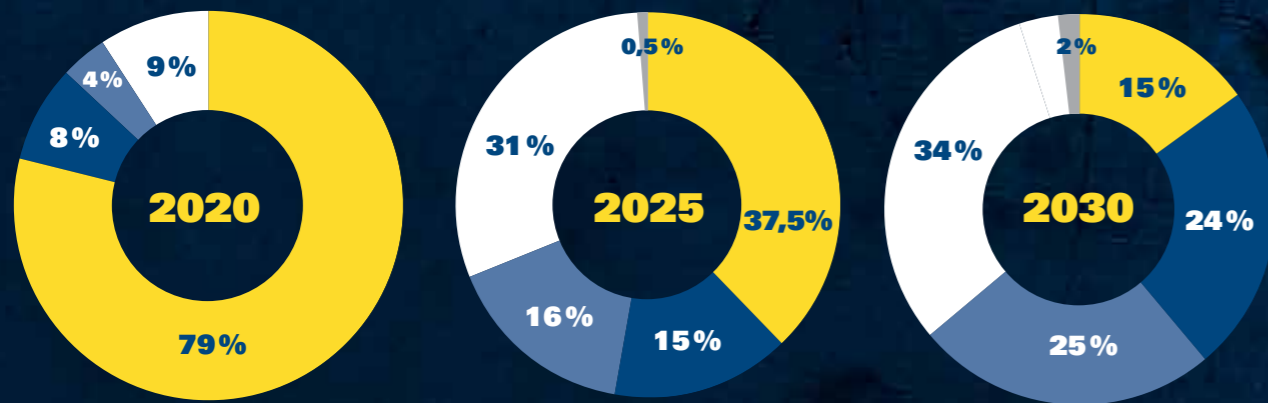
# THE ELECTRIFICATION OF MOBILITY.

xEVs entering the European carpark.

The shift in the automobile industry towards hybrid and battery electric vehicles aims to minimize emissions. At the same time it will play an important role in the coming years when it comes to vehicle registrations in the European carpark. It is expected that by 2030, more than 50% of all new registrations will be some form of electric vehicle with classic combustion engines eventually taking a back seat.

Given their prevalence though, Start-Stop technology and cars with internal combustion engines will continue to dominate the aftermarket in the foreseeable future. Also, there is little need to be concerned about mobility's increasing complexity. Even battery electric vehicles lacking combustion engines are still dependent on a 12V battery to power the car's electric system and thus need servicing at independent workshops.

## NEWLY PRODUCED VEHICLES UNTIL 2030.



- Combustion Engine, Start-Stop, Micro-Hybrid
- Plug-in-Hybrid Electric Vehicles
- Fuel-Cell Electric Vehicles
- Mild-Hybrid Electric Vehicles
- Battery Electric Vehicles

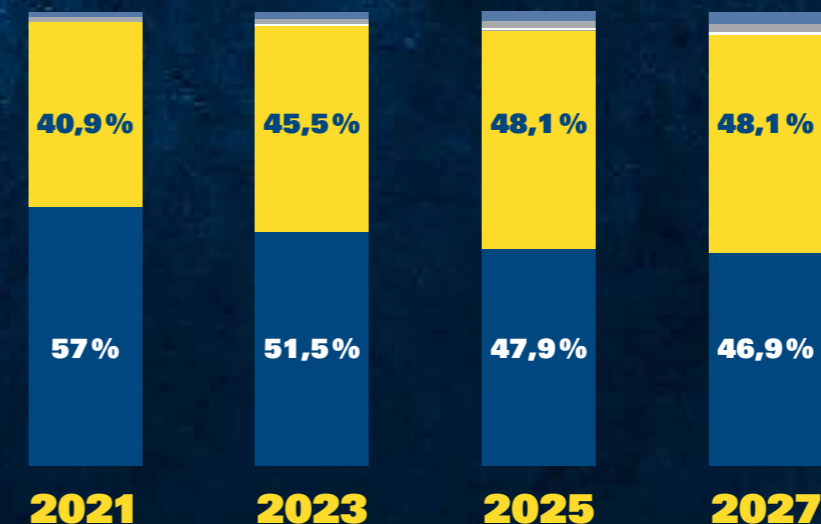
# THE AFTERMARKET'S DRIVING FORCE.

Servicing 12V batteries remains relevant.

The introduction of the Start-Stop system has driven a major change in battery technology. The traditional SLI battery was simply not suitable anymore for this type of application. Instead, it requires a battery that can deliver the starting power of a traditional automotive battery combined with the highest possible cycle capacity. As a result, the enhanced flooded battery (EFB) and subsequently absorbent glass mat technology (AGM) was developed.

As of today, a good 46% of all cars entering a workshop are using Start-Stop and 95% of newly manufactured cars have the technology built in. By 2027, cars with Start-Stop will be the predominating technology, followed closely by internal combustion engines. When it comes to servicing batteries, both vehicle types will remain the core business of independent workshops for many years to come.

## EUROPEAN CARPARK PROJECTIONS.



- Start-Stop
- Internal Combustion Engine
- Mild-Hybrid Electric Vehicles
- Full-Hybrid Electric Vehicles
- Battery Electric Vehicles

# VARTA® SILVER DYNAMIC AGM.



The Start-Stop benchmark – ready for electric vehicles.

The VARTA Silver Dynamic AGM (Absorbent Glass Mat) stands for unparalleled performance. It is the perfect choice for the highest energy demands – whether for powering well equipped vehicles with Start-Stop technology or supporting the 12 Volt electrical system of battery electric or hybrid electric vehicles.

VARTA AGM batteries have proven their reliability for years, making them the perfect companion for electric vehicles and cars with high-level Start-Stop systems. Their sturdy construction and behaviour as well as their inherent safety make them a trusty and robust power source for reliable starting, crucial safety systems, comfort features, and fuel-saving functions.

6 out of 10 new cars incl. xEVs in Europe are equipped with a Clarios battery, underlining VARTA's leadership as a trusted OE supplier. They are made in Germany to the highest manufacturing standards in the world's largest AGM plant.

- The benchmark for high-level Start-Stop systems
- Ready for electric and hybrid electric vehicles (xEV)
- 3x the cycle life compared to conventional batteries



# VARTA® BLUE DYNAMIC EFB.

For superior power needs.

Entry level Start-Stop systems are usually equipped with an EFB (enhanced flooded battery). The Blue Dynamic EFB is an exact "like-for-like" replacement choice. The VARTA Blue Dynamic EFB fits vehicles with higher-than-normal energy demands. So, if you're looking for a battery with extended cycle life compared to a conventional battery, the VARTA Blue Dynamic EFB is the right choice.

- Ready for entry level Start-Stop systems
- 2x the cycle life compared to conventional batteries



**xEV-ready**  
 VARTA batteries ensure safety and reliability for current and future key vehicle demands, independent from the drivetrain.

**90 % recycled\***  
 Less energy used for production as the lead-acid battery is mainly made from recycled materials.

**Best Start-Stop performance**  
 An AGM kicks in earlier, works harder and lasts longer ensuring the highest fuel savings in Start-Stop systems.

**Fulfills OE requirements**  
 "Like-for-like" replacement or upgrade of the battery sold in the Original Equipment channel.

## VARTA Blue Dynamic EFB

**POWER FRAME**  
 Patented PowerFrame® grid for reliable starting power, fast recharge and corrosion resistance.

**DE**  
 Engineered to the highest German standards.

**OE**  
 "Like-for-like" replacement of the battery sold in the Original Equipment channel.

**START A STOP**  
 Ready for entry-level Start-Stop systems.

\*90 % of a newly produced VARTA AGM battery consists of recycled lead.

# VARTA® AUXILIARY BATTERIES.

For additional power.

Modern cars consume a significant amount of electricity. Therefore, these cars with a combustion engine often come with two batteries: a regular 12-volt starter battery and an auxiliary battery. When it comes to replacing a weak or defective auxiliary battery, it is vital to rely on a high performing substitution. VARTA Auxiliary Batteries ensure that comfort features, safety devices, and fuel-saving functions work seamlessly. Depending on the car manufacturer, auxiliary batteries service different functions:

- Increase the length of the Start-Stop moment
- Support comfort functions during engine start



# VARTA® DYNAMIC SLI RANGE.

The perfect choice for conventional cars.

Flooded lead-acid batteries are still the most commonly found battery type in the automotive industry. They are often referred to as SLI, named after what used to be the battery's main purpose in a car: Starting, Lighting, Ignition. Whether you're looking for the best in standard batteries, a safe, long-lasting battery for a family vehicle, or you just want the most premium power possible, one of the VARTA SLI batteries for passenger cars will meet your needs.

## THE RIGHT ONE FOR NON-ELECTRIC AND NON-START-STOP.

Your car has high power needs but is not equipped with Start-Stop technology? Then the VARTA® Silver Dynamic is the one for you. Its supreme starting power will meet even the toughest energy demands without compromise. For more moderate energy demands we recommend the VARTA® Blue Dynamic.

As with all SLI range batteries it also offers extra starting power and consistently high performance. You drive a car built before the year 2000 and are looking for a trustworthy battery that offers good value for money? The VARTA® Black Dynamic has you covered with proven technology and long-term performance for older vehicles.



### VARTA Auxiliary SLI Battery



For backup applications



Made in Germany

### VARTA Auxiliary AGM Batteries



For backup applications



Replace AGM with AGM only



Patented PowerFrame® grid for reliable starting power, fast recharge and corrosion resistance.



Engineered in Germany

## FIND THE RIGHT BATTERY.

To find the perfect fit battery solution for your vehicle, visit our battery finder. Simply enter all the necessary data like vehicle type, year and model and you will receive information on the recommended battery and upgrade options.

[varta-partner-portal.com](http://varta-partner-portal.com)

# GO LIKE-FOR-LIKE OR UPGRADE.

The importance of an exact fit.

Replacing an AGM with an EFB or conventional battery would be like using the wrong spare part. The battery life is shortened, the performance of Start-Stop and comfort functions of the vehicle are not guaranteed, and the warranty is at risk. Therefore, replace AGM only with AGM! With an EFB battery you have two options: Either replace it with another EFB or install an AGM.

## The benefits of upgrading to an AGM.

- Increased fuel efficiency
- Higher energy throughput
- Higher electrical performance
- More reliable starting in extreme conditions



"Like-for-like" replacement



"Like-for-like" replacement or upgrade

### Cycle life.

AGM and EFB batteries are obligatory for Start-Stop vehicles. But an upgrade can also be beneficial for vehicles with conventional batteries. For example, if you have many electronic consumers or if you want to benefit from a significantly longer service life.



# MORE SUSTAINABILITY THE VARTA® WAY.

Taking responsibility in everything we do.

VARTA is a part of Clarion – the world's leading battery manufacturer. Our dedication to sustainability is evident by our innovations in advanced battery technology as well as our recycling efforts. VARTA® brand products can help customers save energy, reduce pollution and fuel consumption, and even better the working conditions of their employees.

## Profiting from over 20 years of experience.

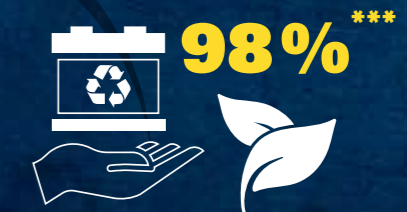
We have developed a collection system that enables a closed recycling loop. As a result, more than 98% of lead batteries from vehicles in Europe are collected and recycled. The entire production is designed to be as environmentally friendly as possible. Our sustainability managers frequently run trainings for all employees and encourage them to contribute their ideas for improvement. The result: 25% less energy and 35% less water used in the making our batteries.

## A PERFECT CIRCULAR ECONOMY.

90% of a newly produced VARTA AGM battery consists of recycled lead.



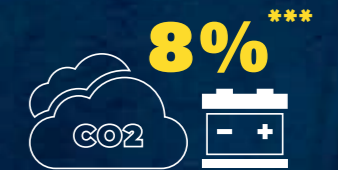
98% of lead batteries in vehicles are collected and recycled at end-of-life.



75% of lead in European lead batteries is now produced from recycled sources.



8% less CO<sub>2</sub> emission by supporting fuel-saving functions (AGM).





**VARTA® Silver Dynamic xEV AGM**

Short Code	Capacity 20h [Ah]	CCA (EN) [A]	Overall dimensions (mm)			Case Size	Weight (kg) *	Layout	Terminal	Base hold-down
			L	W	H					
A4	105	950	394	175	190	H9/LN6	29.4	0	1	B13
A5	95	850	353	175	190	H8/LN5	26.4	0	1	B13
A6	80	800	315	175	190	H7/LN4	22.76	0	1	B13
A7	70	760	278	175	190	H6/LN3	20.4	0	1	B13
A8	60	680	242	175	190	H5/LN2	17.5	0	1	B13
A9	50	540	207	175	190	H4/LN1	14.7	0	1	B13



**VARTA® Silver Dynamic AGM**

Short Code	Capacity 20h [Ah]	CCA (EN) [A]	Overall dimensions (mm)			Case Size	Weight (kg) *	Layout	Terminal	Base hold-down
			L	W	H					
24F-710AGM	70	710	271	172	225	PGP24FA	20.54	0	1	B7
25-650AGM	55	650	305	172	225	PGP25A	19.04	1	1	B7
31T-825AGM	100	825	330	172	240	PGP31A	29.26	9	1	B0
34B20R	35	340	195	126	224	NS40A	11	1	3	B0
35-650AGM	55	650	229	172	225	PGP35A	19.04	0	1	B7
46B24R	45	370	236	126	224	NS60A	13.31	1	3	B0
LN4 AGM R	80	800	315	175	190	H7/LN4	22.8	0	1	B13



**VARTA® Silver Dynamic EFB**

Short Code	Capacity 20h [Ah]	CCA (EN) [A]	Overall dimensions (mm)			Case Size	Weight (kg) *	Layout	Terminal	Base hold-down
			L	W	H					
K-42/60B19L	36	380	186	126	225	PB19	10.5	0	3	B0
K-42R/60B19R	36	380	186	126	225	PB19	10.5	1	3	B0
M-42/60B20L	40	400	196	128	225	PNS40	11.2	0	3	B0
M-42R/60B20R	40	400	196	128	225	PNS40	11.2	1	3	B0
N-55/80B24L	55	500	237	128	225	PNS60	13.7	0	3	B0
N-55R/80B24R	55	500	237	128	225	PNS60	13.7	1	3	B0
Q-85/115D23L	70	660	229	172	225	PGP35	18	0	1	B7
Q-85R/115D23R	70	660	229	172	225	PGP25	18	1	1	B7
S-95/130D26L	75	720	260	172	225	PGP24	20.3	0	1	B7
S-95R/130D26R	75	720	260	172	225	PGP24	20.3	1	1	B7
T-110/145D31L	90	820	305	172	225	PGP27	23.5	0	1	B7
T-110R/145D31R	90	820	305	172	225	PGP27	23.5	1	1	B7



**VARTA® Silver Dynamic**

Short Code	Capacity 20h [Ah]	CCA (EN) [A]	Overall dimensions (mm)			Case Size	Weight (kg) *	Layout	Terminal	Base hold-down
			L	W	H					
C30	54	530	207	175	190	H4/LN1	12.38	0	1	B13
C6	52	520	207	175	175	T4/LBN1	11.97	0	1	B13
D15	63	610	242	175	190	H5/LN2	14.78	0	1	B13
D21	61	600	242	175	175	T5/LBN2	14.34	0	1	B13
D39	63	610	242	175	190	H5R/LN2R	14.78	1	1	B13
E38	74	750	278	175	175	T6/LBN3	17.11	0	1	B13
E44	77	780	278	175	190	H6/LN3	17.94	0	1	B13
F18	85	800	315	175	175	T7/LBN4	19.02	0	1	B13
F19	85	800	315	175	190	H7/LN4	19.76	0	1	B13
H3	100	830	353	175	190	H8/LN5	21.92	0	1	B13
I1	110	920	393	175	190	H9/LN6	24.48	0	1	B13



**VARTA® Silver Dynamic Auxiliary**

Short Code	Capacity 20h [Ah]	CCA (EN) [A]	Overall dimensions (mm)			Case Size	Weight (kg) *	Layout	Terminal	Base hold-down
			L	W	H					
34B17L	34	280	167	128	225	28B	8.7	0	3	B0
AUX14	13	200	150	87	146	YTX14	4.6	1	M6	B00
AUX9	9	130	151	87	106	YTX9	2.87	1	M6	B00
AUX1	35	520	212	175	140	POB4	10.3	0	1	B13



VARTA® Blue Dynamic

Short Code	Capacity 20h [Ah]	CCA (EN) [A]	Overall dimensions (mm)			Case Size	Weight (kg)*	Layout	Terminal	Base hold-down
			L	W	H					
A13	40	330	187	140	227	B19	10.1	0	3	B01
A14	40	330	187	127	227	B19L	10.1	0	3	B00
A15	40	330	187	127	227	B19R	10.1	1	3	B00
B18	44	440	207	175	175	T4/LB1	11.3	0	1	B13
B31	45	330	238	129	227	B24L	11.7	0	3	B00
B32	45	330	238	129	227	B24R	11.7	0	1	B00
B33	45	330	238	129	227	B24S	11.7	1	3	B00
B34	45	330	238	129	227	B24RS	11.7	1	1	B00
B36	44	420	175	175	190	H3/LN0	10.5	0	1	B13
C22	52	470	207	175	190	H4/LN1	12.4	0	1	B13
D24	60	540	242	175	190	H5/LN2	15	0	1	B13
D43	60	540	242	175	190	H5R/LN2R	14.3	1	1	B13
D47	60	540	232	173	225	D23L	14.54	0	1	B00
D48	60	540	232	173	225	D23R	14.54	1	1	B00
D59	60	540	242	175	175	T5/LBN2	13.89	0	1	B13
E11	74	680	278	175	190	H6/LN3	17.87	0	1	B13
E12	74	680	278	175	190	H6R/LN3R	17.87	1	1	B13
E23	70	630	261	175	220	D26L	17.32	0	1	B01
E24	70	630	261	175	220	D26R	17.32	1	1	B01
E43	72	680	278	175	175	T6/LBN3	17.05	0	1	B13
F16	80	740	315	175	190	H7/LN4	19.1	0	1	B13
F17	80	740	315	175	175	T7/LBN4	19.21	0	1	B13
G3	95	800	353	175	190	H8/LN5	21.32	0	1	B13
G7	95	830	306	173	225	D31L	20.23	0	1	B01
G8	95	830	306	173	225	D31R	20.23	1	1	B01

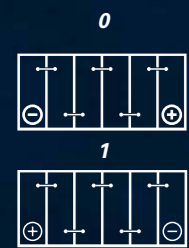


VARTA® Blue Dynamic EFB

Short Code	Capacity 20h [Ah]	CCA (EN) [A]	Overall dimensions (mm)			Case Size	Weight (kg)*	Layout	Terminal	Base hold-down
			L	W	H					
D54	65	650	278	175	175	T6/LBN3	18.63	0	1	B13
E46	75	730	315	175	175	T7/LBN4	21.19	0	1	B13
N60	60	640	242	175	190	H5/LN2	16.93	0	1	B13
N70	70	760	278	175	190	H6/LN3	19.53	0	1	B13
N80	80	800	315	175	190	H7/LN4	21.68	0	1	B13

Technical specifications

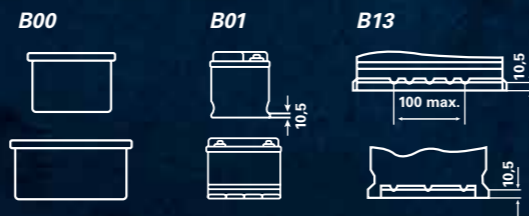
Layout



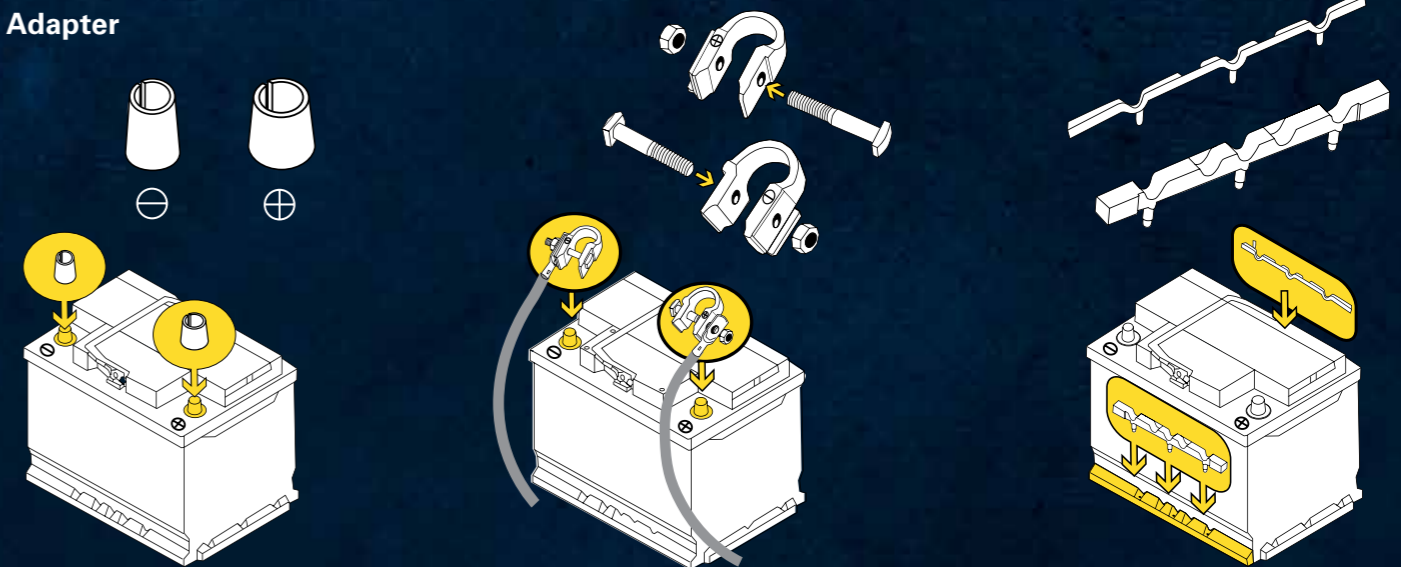
Terminal type



Base hold-down



Adapter



JIS  
SAP 537 270

Ford  
SAP 537 272

VW  
SAP 537 267

## TRUST IN VARTA®

Wherever your journey may take you, VARTA® batteries provide all the power to take you there. Whether you are driving your very first car, you own a vehicle with start-stop functionality, or you drive a highly equipped vehicle with high energy demands, VARTA® batteries offer the power you need.

Today, you'll find our products in millions of cars, powerboats, motorcycles and motorhomes. Our engineers put expertise and precision into each and every VARTA® battery. VARTA® batteries provide longer life, less corrosion and lower cost of ownership, qualities you'll find in all our products from our advanced start-stop automotive range to our professional powerboat products. When you choose VARTA®, you go for reliable precision technology that delivers best-in-class manufacturing quality.

## BACKED BY THE GLOBAL MARKET LEADER: CLARIOS

VARTA® automotive batteries are powered by Clarios, a world leader in advanced energy storage solutions. We partner with our customers to meet increasing market demand for smarter applications, on a global scale. Our 16,000 employees develop, manufacture, and distribute a portfolio of evolving battery technologies for virtually every type of vehicle. Technologies that deliver uniquely sustainable, next-generation performance, and bring reliability, safety, and comfort to everyday lives. We add value at every link in the supply chain, contributing to the progress of the communities we serve and the planet we all share.

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