

THE POWER OF VARTA® BUILT TO EXPLORE.



For Leisure
applications.

It all starts with  **VARTA**
BY CLARIOS

NEW PRODUCTS. NEW COLOR CODE. NEW TECHNOLOGY.

Powered by the Original.



Wherever your journey may take you, VARTA® batteries are there along the way, giving you the power you need. Today, you'll find our batteries in millions of cars, trucks, boats and motorhomes.

To meet the challenges of a rapidly changing automotive market appropriately, VARTA has revised the entire product range.

The new VARTA product portfolio is designed to cater to present demands while boldly embracing the trends of tomorrow.

VARTA batteries provide longer life, less corrosion and lower cost of ownership – qualities you'll find in all our products.

VARTA® POWER RE-IMAGINED.

The new VARTA product portfolio.

New color code for easy differentiation.

The new label colors give a clear differentiation between the technologies. This supports the target groups in differentiating and identifying the right technology for the right application quickly.

Next to the color code, the VARTA logo, technology, short code, and capacity are highlighted prominently optimizing the customer journey at all touch points.



New battery types for even more vehicle coverage.

New battery types are introduced to cover new vehicle types and prepare the IAM for the latest vehicles from OE manufacturers.



Automotive
AGM H3 and EFB H9
(2025)



Heavy Commercial
EFB A-type (2025) and
AGM B-type (2025)



Leisure
Li-Ion product portfolio
(2025)

Streamlined range for improved customer guidance.

The new VARTA product portfolio is streamlined and clearly structured by technologies to support the IAM to remain competitive and future-ready.

Automotive



Black Dynamic, Blue Dynamic + Silver Dynamic



SLI

Heavy Commercial



Super Heavy Duty + Heavy Duty



SLI

LEISURE MARKET TRENDS.

The increasing demand for leisure applications opens up new dimensions for batteries.

1. Electric devices in recreational vehicles increase.

Social changes made recreational activities off the beaten path desirable again. People want to take their home wherever they go, therefore, larger bathrooms without fold-away furniture, ambient lighting and in-car entertainment became highly popular. Moreover, smart technology

and connectivity allows to remote control the vehicle or check water and gas levels. To avoid gas powered devices, further electrical devices are added – all of which require a 12V power supply.

2. Custom and small vehicles require powerful and compact solutions.

With over 50% of new registrations*, small camping vehicles are the fastest growing segment of recreational vehicles. Due to space limitations, they require compact but reliable

power sources that can be installed anywhere. Many of these vehicles are custom built and provide extremely different equipment levels and energy needs.

3. Caravanning regulations make weight increasingly important.

The technical and legal limits for the weight of motorhomes are extremely important – especially when additional equipment is installed. These restrictions apply uniformly within the European Union. Therefore, the reduction

of weight wherever possible increases peoples' freedom when equipping and packing their vehicles because every kilogram less for technology is one kilogram more for luggage.

Equipment in caravans and mobile homes.



Essentials

Comfort

Equipment in boats.



Essentials

Comfort

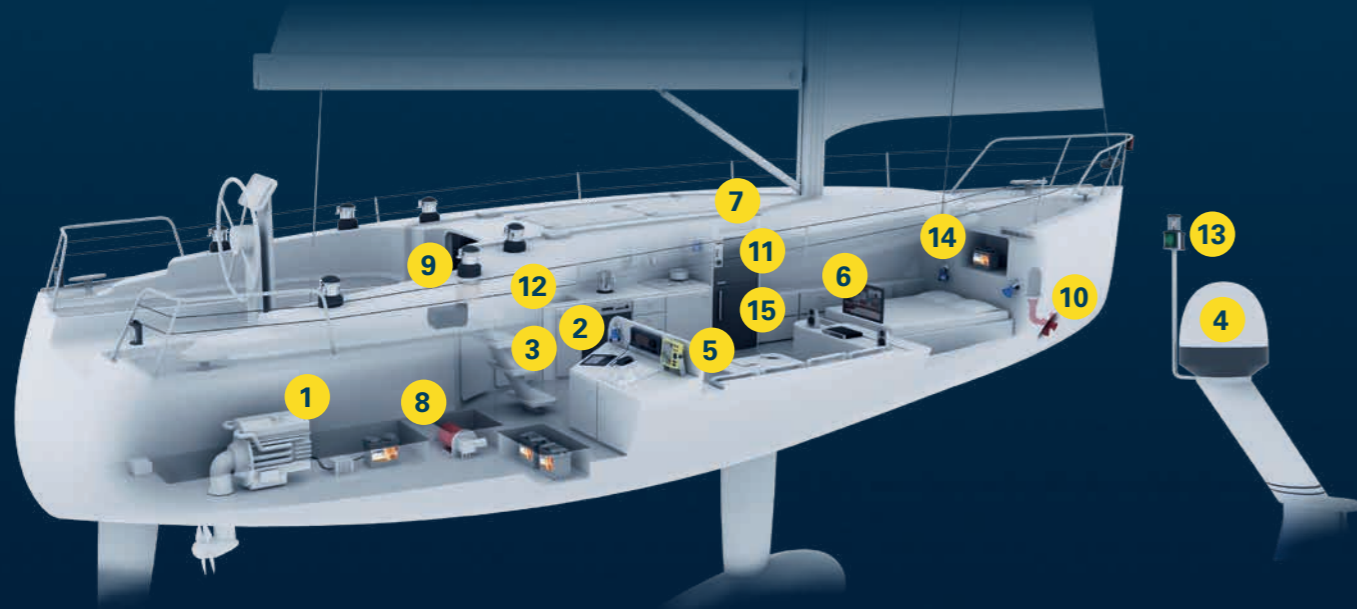


* ADAC Camping trends 2024

ELECTRICAL DEVICES IN MARINE APPLICATIONS.

High energy demands on the high sea.

In marine applications, batteries play a critical role in powering essential electrical devices, including navigation systems, communication equipment, and safety devices like bilge pumps. Reliable and stable power sources are vital due to the harsh marine environment and the need for consistent performance over long periods.



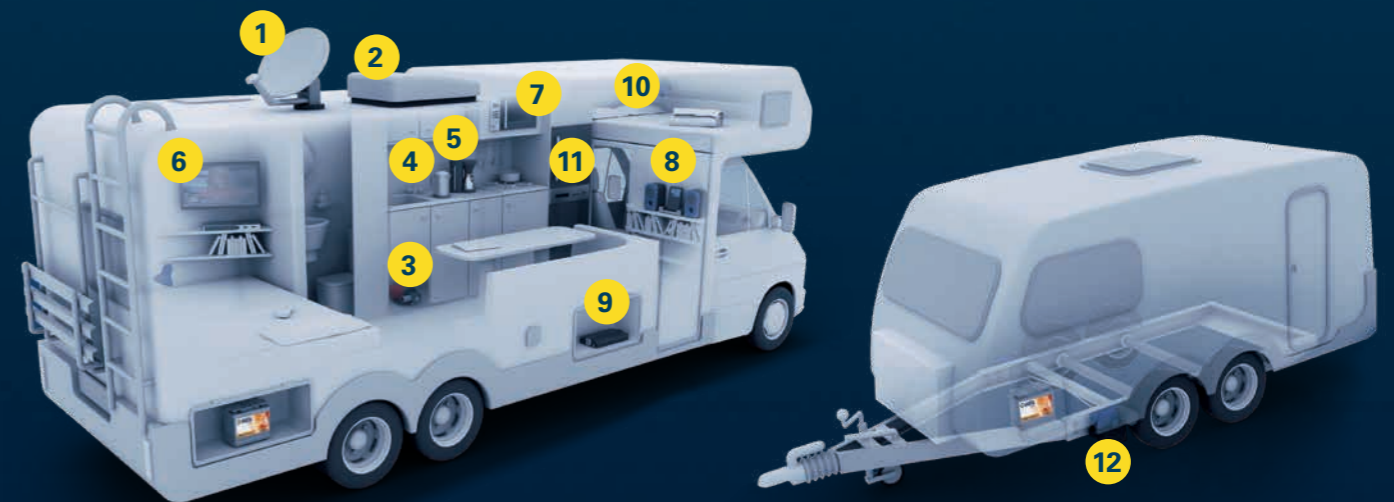
Devices

- | | | |
|---------------------|-------------------------|--------------------------------|
| 1 Starting/cranking | 6 Satellite receiver/TV | 11 Microwave and electric oven |
| 2 SSB radio | 7 Air conditioning unit | 12 Dishwasher |
| 3 Autopilot | 8 Pumps | 13 Navigation lights |
| 4 Radar | 9 Electric winches | 14 Lighting |
| 5 Fishfinder | 10 Bow thruster | 15 Fridge-freezer |

ELECTRICAL DEVICES IN CARAVANS AND MOBILE HOMES.

High energy demands when exploring a new freedom.

In caravans and mobile homes, batteries are essential for powering various electrical devices, including lighting, refrigerators, water pumps, and entertainment systems. These applications demand reliable and long-lasting power sources to support off-grid living and travel.



Devices

- | | | |
|-------------------------|-------------------------------|-------------------|
| 1 Satellite dish | 5 Coffee machine | 9 Power inverter |
| 2 Air conditioning unit | 6 Satellite receiver/TV | 10 Lighting |
| 3 Pumps | 7 Microwave and electric oven | 11 Fridge-freezer |
| 4 Kettle | 8 Hi-Fi | 12 Mover |

Living areas for mobile homes and caravans are reasonably comparable.

THE FUTURE OF POWER. READY TO INSTALL.

The VARTA® Professional portfolio with new Li-Ion technology.



VARTA Professional Leisure batteries are built to power marine craft such as electric boats, yachts and motorboats, plus all kinds of caravans and motorhomes. With these batteries you can fully depend on power for both essentials like interior lighting and fridges as well as for little luxuries like TVs.

Now VARTA enters a new technology market with its premium high energy Li-Ion batteries for deep-cycling leisure applications. The new VARTA Li-Ion leisure portfolio is designed to withstand harsh conditions, such as winter camping or marine applications, and features multiple smart connection options to monitor the battery performance.

EXCEPTIONAL PERFORMANCE AND RELIABILITY WHEREVER YOU ARE.

VARTA® PROFESSIONAL LI-ION.

LI-ION BATTERIES FOR LEISURE APPLICATIONS.

Superior endurance and robustness with a compact form factor.

The new VARTA Professional Li-Ion was developed for the most demanding deep cycle leisure applications. Especially off-grid usage requires a higher overall capacity and DOD to supply the needed energy. That is why VARTA Professional's A-class Li-Ion cells allow for the highest reliability and performance.

VARTA Professional Li-Ion batteries provide more usable energy as they can be discharged up to 100% of their rated capacity. They offer more than 20 times longer cycle life and a significantly reduced weight compared to lead-acid to power electrical equipment for a home-like on-board living experience.



20x MORE
CYCLE LIFE



More usable energy with reduced weight and size



Multiple smart connection options like CAN bus, Bluetooth and more



Low temperature variants with cell heating function



Protection class IP67 (50Ah – IP54)



Maintenance-free

VARTA® PROFESSIONAL LI-ION.

Li-Ion batteries advanced features.

Intelligent features for the perfect user experience off the grid.

When exploring the world in recreational vehicles technical surprises are not what travelers are looking for. Make use of the battery-to-battery communication option to maximize battery performance, charging and equalization.

Or use the CI bus connection for a full integration into a recreational vehicle's energy management system. Its LED display provides the necessary information to see if the product and its features work properly.

The advantages of Li-Ion batteries for off-grid energy supply cover the demands of modern applications.

Li-Ion batteries come with a comparably low weight of ~45% of a same sized AGM battery. This means a total weight reduction of up to ~78% for the same energy output.

Li-Ion products provide twice the usable capacity and the ability of 100% depth of discharge. They have a higher cycle life and can fully recharge from empty within 2-3 hours.

VARTA Professional BMS features.

VARTA Li-Ion batteries are designed to allow the BMS (Battery Management System) to monitor each individual cell in the battery and balance the cells capacities. Moreover, the BMS prevents too low and too high states of

voltage to protect the battery from overcharging and draining, short-circuiting and overheating. It supports charging even under extreme conditions such as sub zero temperatures and can be used in parallel and series connection.

The VARTA Bluetooth App keeps you up to date.

VARTA Professional Li-Ion batteries can be connected to an App via Bluetooth to check the battery's status and performance. A fast and

easy way to stay informed on the battery's state of charge, overall health, cycles and usage, internal temperature and more.



Basic Info page

Detailed Info page

Alarm (BMS protection)

VARTA® PROFESSIONAL AGM.

For leisure applications with high energy requirements.

The Dual Purpose AGM provides a high cycling stability and a high resistance to low state of charge down to 50%. This allows the battery to support long off-grid stays and provide high energy for on-board consumers such as light and water, but also for demanding comfort functions such as TV screens, coffee makers and laptops.



3x MORE
CYCLE LIFE



PowerFrame®
Grid



Ideal for dual power
applications
(starting and overall
energy supply)



Engineered in
Germany



Maintenance-free

VARTA® PROFESSIONAL EFB.

For leisure applications with moderate energy requirements.

Boats and motorhomes with moderate energy demands need the right product to perform at their best. The VARTA Professional EFB's design supports state of charge down to 80% for car sizes and 50% for truck sizes. This is suitable to supply power for short trips, like an off-grid weekend with essential equipment like lights and phone chargers.



**2x MORE
CYCLE LIFE**



PowerFrame®
Grid



Ideal for dual power applications (starting and overall energy supply)



Reliable energy supply



Exceptional cold start performance



Engineered in Germany



Maintenance-free



PowerFrame®
Grid



Reliable energy supply



Exceptional cold start performance



Engineered in Germany



Maintenance-free

VARTA® PROFESSIONAL SLI.

The starter battery for boats and motorhomes.

The VARTA Professional SLI is purpose-made for all marine starter applications. It can also service minimal electrical system requirements, such as inflatable boats and smaller rigged-hull boats. With a high energy output, it delivers outstanding performance, time after time, with no maintenance required.



MORE SUSTAINABILITY THE VARTA® WAY.

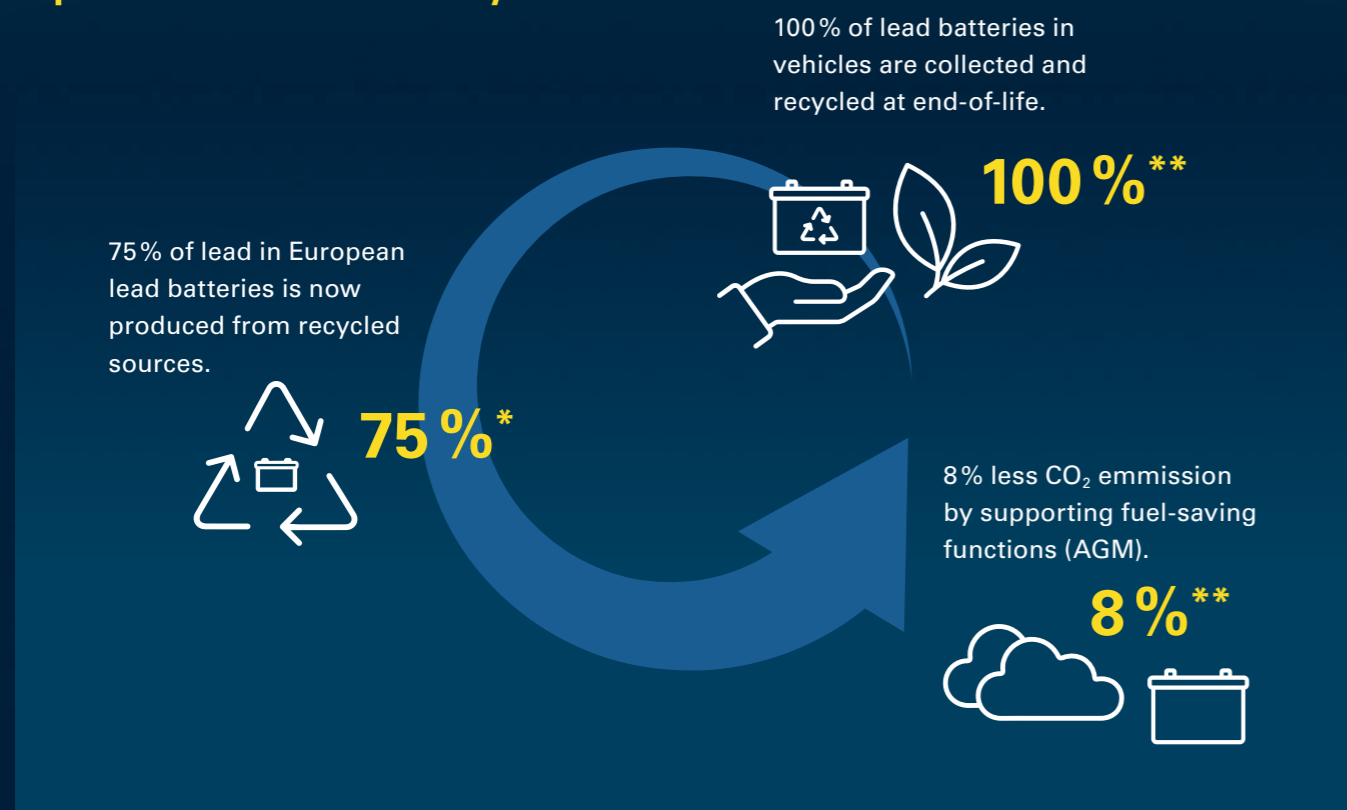
Taking responsibility in everything we do.

VARTA is a part of Clarios – 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, 100 % 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 of our batteries.

A perfect circular economy.



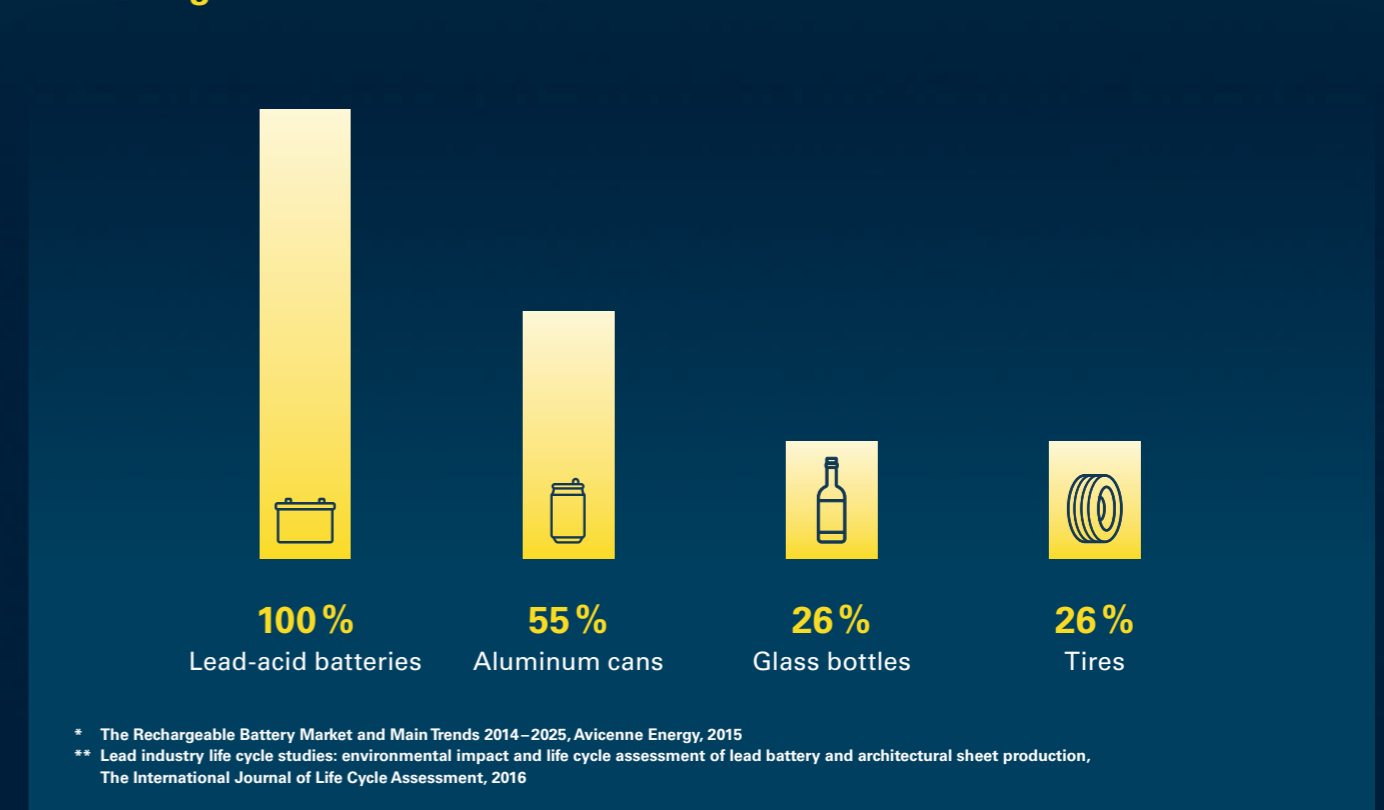
The Original. Made in Germany.

Our European production plant in Hannover is based in central Germany, requiring less transport and therefore less emissions and less fuel. Clarios guarantees the highest production standards, fair working conditions and a maximum level of occupational health and safety in all our production and battery recycling sites.

Leading the way in lead-acid battery recycling.

Innovative and technologically advanced manufacturing processes allow for each component inside a VARTA battery to be made from recycled materials – whether it’s the case, the grid or the electrolyte. After all, lead batteries are the most recycled consumer product in the world.

Percentage of contained material to be used:



VARTA® SERVICES.

The power is in your know-how.

THE POWER TO MAKE YOUR BUSINESS EVEN MORE PROFESSIONAL.

VARTA can help you run a more successful battery business. Become our partner today and profit from our knowledge all around the battery. From installation time and battery fitting instructions to maintenance tips and cost optimization of your battery.

The VARTA Partner Portal is our one-stop platform uniting all car and commercial vehicle services. It is home to the VARTA Battery Test-Check Program, the VARTA Fleet Program and the VARTA Training Academy – just a few of the Partner Portal’s many offerings.

To support workshops and fleet operators in today’s challenges and the ones that lie ahead, we have created a range of tools and services – increasing efficiency and keeping time and costs to a minimum.



VARTA®
PARTNER
PORTAL



VARTA®
BATTERY
TEST-CHECK
PROGRAM



VARTA®
TRAINING
ACADEMY



REGISTER NOW!
www.varta-partner-portal.com

VARTA® PARTNER PORTAL.

The power is in your know-how.

You can now find all VARTA services under one roof. The VARTA Partner Portal supports workshops and end customers with all questions regarding batteries. Regular updates leading to a coverage of 99% of the carpark of

conventional vehicles as well as for the xEV carpark. Furthermore, it supplies you with in-depth battery knowledge and offers online trainings to verify your knowledge.

» Battery Finder

If you need to find the right battery for a specific vehicle, its exact location or detailed installation instructions, the completely redesigned and optimized Battery Finder is for you!

» Battery World

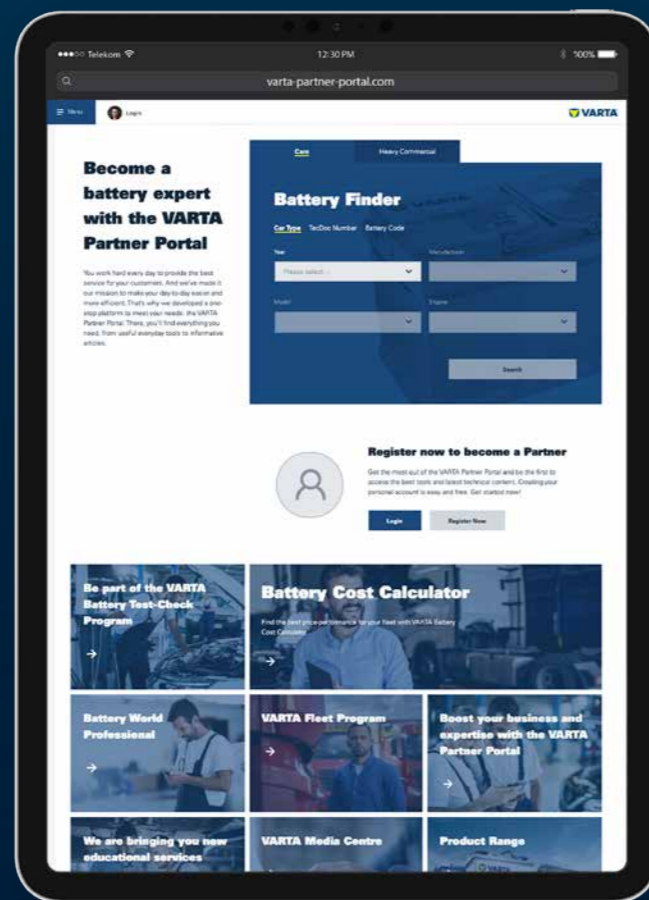
The Battery World Professional library has been updated with even more valuable articles. Enjoy all kinds of battery content – from the essentials to expert know-how.

» Product Pages

On the Product Range page, you can find an overview of all passenger car and heavy commercial batteries.

» Battery Test-Check Program

Test every battery. Join the VARTA Battery Test-Check Program and get the power to become a battery expert!

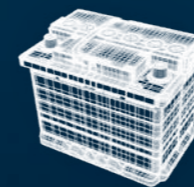


VARTA® E-LEARNINGS.

Become a true battery expert.

You are always looking for new ways to train your staff to continuously provide a quality service to customers. Digital training has come a long way and has now reached its prime in the form of E-Learning. Due to its convenience and flexibility of being available from anywhere and at any time, web-based trainings promote an active and independent way of learning.

VARTA's digital learning offerings have always been the perfect complement to our traditional trainings. With the new E-Learnings we now complete our digital knowledge portfolio, following the YouTube-channel's educational playlists, technical articles in the Battery World Professional, the Battery Finder in the VARTA Partner Portal and other social media outlets.



Basics



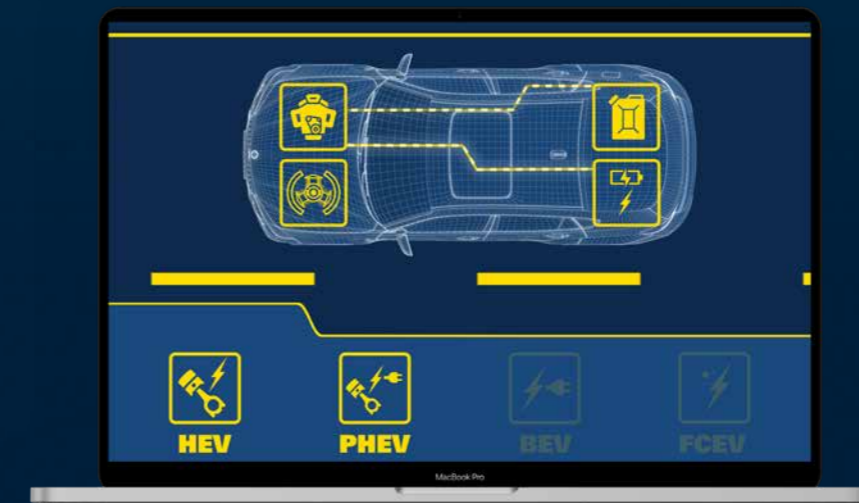
Automotive



Heavy Commercial



Caravan



VARTA E-Learnings provide the best user experience – both online and offline. Our trainings are for everyone who deals with batteries on a daily basis. We share our profound knowledge in a user-centric approach so mechanics and sales advisors, wholesalers and retailers are ready for new technologies and today's complex vehicles.



How to join:

The registration for our VARTA Partner Portal is free of charge and very easy: Fill out the registration form here www.varta-partner-portal.com and receive your confirmation by e-mail. Done!

Learning on a whole new level.

VARTA E-Learnings are currently available at the VARTA Partner Portal. Registered users get access to a complete offering of digital trainings on basic battery knowledge, advanced passenger cars, heavy commercial vehicles and all the latest VARTA services.



VARTA® Professional AGM

VARTA® Code	Short Code	Capacity 20h [Ah]	Reserve capacity @ 25 A in Min.	CCA (EN) [A]	MCA in A	Overall dimensions (mm)			Case Size	Weight (kg) *	Layout	Terminal	Base hold-down
						L	W	H					
...K31 2													
840 060 068	LA60	60	125	680	850	242	175	190	H5/L2 AGM	17.29	0	1	B13
840 070 076	LA70	70	133	760	950	278	175	190	H6/L3 AGM	20.30	0	1	B13
840 080 080	LA80	80	176	800	1000	315	175	190	H7/L4 AGM	22.56	0	1	B13
840 095 085	LA95	95	198	850	1063	353	175	190	H8/L5 AGM	25.73	0	1	B13
840 105 095	LA105	105	224	950	1188	394	175	190	H9/L6 AGM	28.53	0	1	B13
840 210 120	LA210	210	452	1200	-	518	276	242	C AGM	61.30	3	1	B00



VARTA® Professional EFB

VARTA® Code	Short Code	Capacity 20h [Ah]	Reserve capacity @ 25 A in Min.	CCA (EN) [A]	MCA in A	Overall dimensions (mm)			Case Size	Weight (kg) *	Layout	Terminal	Base hold-down
						L	W	H					
...K31 2													
932 060 064	LED60	60	98	640	-	242	175	190	H5/L2 EFB	16.49	0	1	B13
932 070 076	LED70	70	118	760	-	278	175	190	H6/L3 EFB	18.83	0	1	B13
932 080 080	LED80	80	138	800	-	315	175	190	H7/L4 EFB	21.13	0	1	B13
932 095 085	LED95	95	169	850	-	353	175	190	H8/L5 EFB	23.56	0	1	B13
932 140 080	LFD140	140	284	800	-	513	189	223	A	37.12	3	1	B00
932 190 105	LED190	190	383	1050	-	513	223	223	B EFB	46.99	3	1	B00
932 240 120	LED240	240	505	1200	-	518	276	242	C EFB	59.47	3	1	B00



VARTA® Professional SLI

VARTA® Code	Short Code	Capacity 20h [Ah]	Reserve capacity @ 25 A in Min.	CCA (EN) [A]	MCA in A	Overall dimensions (mm)			Case Size	Weight (kg) *	Layout	Terminal	Base hold-down
						L	W	H					
...K31 2													
930 052 047	LFS52	52	-	470	588	207	175	190	H4/L1	12.02	0	1	B13
930 060 054	LFS60	60	-	540	675	242	175	190	H5/L2	13.97	0	1	B13
930 074 068	LFS74	74	-	680	850	278	175	190	H6/L3	16.82	0	1	B13
930 075 060	LFS75	75	-	600	750	260	175	225	EG4/D26	17.17	1	1	B01
930 095 080	LFS95	95	-	800	1000	353	175	190	H8/L5	20.69	0	1	B13
930 105 080	LFS105N	105	-	800	1000	330	172	240	GR31	24.67	9	1	B01
931 105 080	LFS105M	105	-	800	1000	330	172	240	GR31	24.67	9	8	B01
930 120 078	LFS120	120	-	780	-	349	175	236	LOT7	29.01	1	1	B00



VARTA® Professional Li-Ion

VARTA® Code	Short Code	Voltage in V	Capacity 20h [Ah]	Wh	IP Rating	Overall dimensions (mm)			Case Size	Weight (kg) *	Layout	Terminal	Base hold-down
						L	W	H					
...K31A													
850 050 000	LL50	12.8	50	640	54	195	132	183	U1R	6.8	0	M6	B00
850 100 000	LL100	12.8	100	1280	67	278	175	190	H6/L3	12.0	0	1; M8	B13
850 100 001	LL100LT	12.8	100	1280	67	278	175	190	H6/L3	12.0	0	1; M8	B13
850 150 000	LL150	12.8	150	1920	67	353	175	190	H8/L5	20.0	0	1; M8	B13
850 150 001	LL150LT	12.8	150	1920	67	353	175	190	H8/L5	20.0	0	1; M8	B13
850 200 000	LL200	12.8	200	2560	67	345	350	188	345x350x188	30.0	0	M8	B00



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www.varta-automotive.com
www.clarios.com