THE POWER OF VARTA BUILT TO EXPLORE.



For Leisure applications.

It all starts with VARTA® BY CLARIOS

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 12 V 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.





* ADAC Camping trends 2024

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.



Power Inverter | Mover | Lighting | Air Conditioning | TV | Satellite Dish

Equipment in boats.



Navigation | Bow Thrusters | Cable Winch | Radio | Air Conditioning | TV | Refrigerator

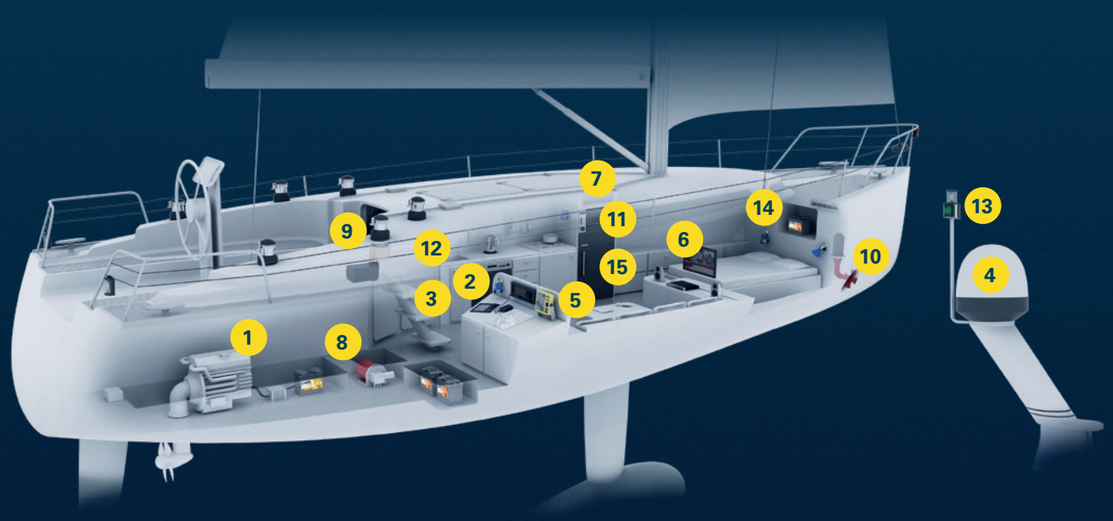




ELECTRICAL DEVICES IN MARINE APPLICATIONS.

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.



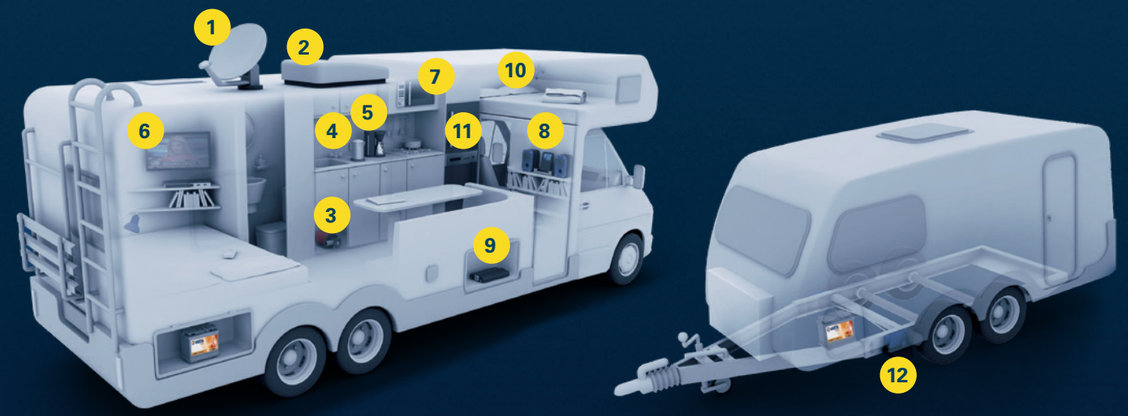
Devices

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

Living areas for mobile homes and caravans are reasonably comparable.

VARTA Professional Portfolio

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.

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.

Li-ion batteries offer more usable energy as they can be deep discharged up to 100% of their rated capacity. To maximize longevity, limit the depth of discharge to 80% and avoid dropping below 10%, a practice widely adopted as an industry standard. 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.

Integrated safety features, such as the valve with exhaust tube connection, ensure controlled gas release. This makes the VARTA Li-Ion ideal for installation in the living area of RVs and sets a new benchmark in the market. The reinforced battery housing and IP67 protection rating provide highest durability, even under harsh conditions.

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

New VARTA Professional Li-Ion

LI-ION BATTERIES FOR LEISURE APPLICATIONS.



20x MORE CYCLE LIFE

Designed in Germany

Serial and parallel connection

Safety features like safety valve with exhaust tube connection and reinforced casing

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 higher depth of discharge compared to conventional batteries.
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. If a firmware update of the Battery Management System is required, the app notifies the user via a pop-up message and performs the update after confirmation.



Basic Info page

Detailed Info page

Alarm (BMS protection)

VARTA Professional AGM

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

- Ideal for dual power applications (starting and overall energy supply)
- Exceptional cold start performance
- Made 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

- Ideal for dual power applications (starting and overall 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.



- Reliable energy supply
- Exceptional cold start performance
- Engineered in Germany
- Maintenance-free



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.

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.

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 TCO Calculator and the VARTA Training Academy – just a few of the Partner Portal's many offerings.

VARTA® SERVICES

VARTA PARTNER PORTAL

VARTA BATTERY TEST-CHECK PROGRAM

VARTA TRAINING ACADEMY

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

VARTA
PARTNER PORTAL.

The power is in your know-how.

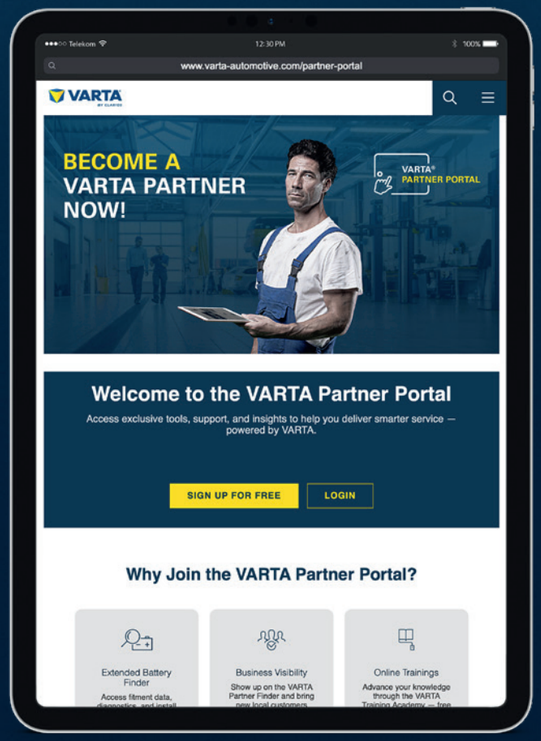
You can now find all VARTA services under one roof. The VARTA Partner Portal supports workshops and end customers with all questions regarding batteries. Regular updates leading to a coverage of 99 % of the carpark of conventional vehicles as well as for the xEV carpark. Furthermore, it supplies you 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!

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

» **Partner Finder**
Show up on the VARTA Partner Finder and bring new local customers directly to your business.

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



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-automotive.com/partner-portal** and receive your confirmation by e-mail. Done!

VARTA
TRAINING ACADEMY.

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 VARTA Training Academy. Due to their 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 VARTA Training Academy we now complete our digital knowledge portfolio, following the YouTube-channel's educational playlists, technical articles in the Knowledge library, the Battery Finder in the VARTA Partner Portal and other social media outlets.



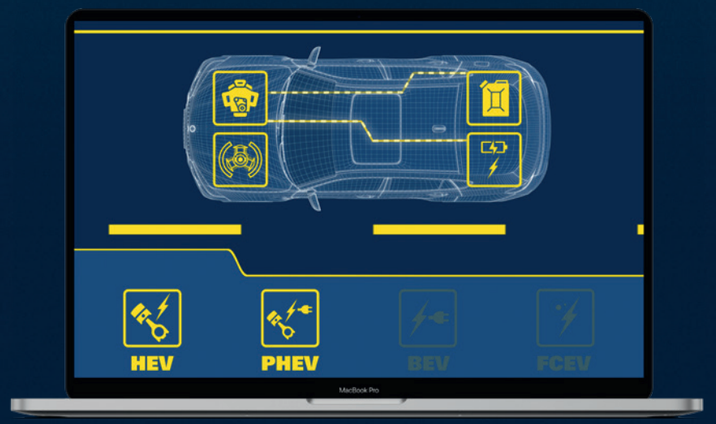
Basics



Automotive



Heavy Commercial



The VARTA Training Academy provides 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.

Learning on a whole new level.
The VARTA Training Academy is 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 Dual Purpose

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
...K31 2						L	W	H					
840 050 054	LA50	50	100	540	700	207	175	190	H4/L1 AGM	14.7	0	1	B13
840 060 068	LA60	60	125	680	850	242	175	190	H5/L2 AGM	17.3	0	1	B13
840 070 076	LA70	70	133	760	950	278	175	190	H6/L3 AGM	20.3	0	1	B13
840 080 080	LA80	80	176	800	1000	315	175	190	H7/L4 AGM	22.6	0	1	B13
840 095 085	LA95	95	198	850	1063	353	175	190	H8/L5 AGM	25.7	0	1	B13
840 105 095	LA105	105	224	950	1188	394	175	190	H9/L6 AGM	28.5	0	1	B13
840 170 100	LA170	170	360	1000	1250	513	223	223	B AGM	47.5	3	1	B00
840 210 120	LA210	210	452	1200	–	518	276	242	C AGM	61.3	3	1	B00



VARTA Professional EFB Dual Purpose

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
...K31 2						L	W	H					
932 060 064	LED60	60	98	640	–	242	175	190	H5/L2 EFB	16.5	0	1	B13
932 070 076	LED70	70	118	760	–	278	175	190	H6/L3 EFB	18.8	0	1	B13
932 080 080	LED80	80	138	800	–	315	175	190	H7/L4 EFB	21.1	0	1	B13
932 095 085	LED95	95	169	850	–	353	175	190	H8/L5 EFB	23.6	0	1	B13
933 140 080	LED140	140	294	800	–	513	189	223	A EFB	37.1	3	1	B00
932 190 105	LED190	190	383	1050	–	513	223	223	B EFB	47.0	3	1	B00
932 240 120	LED240	240	505	1200	–	518	276	242	C EFB	59.5	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
...K31 2						L	W	H					
930 052 047	LFS52	52	–	470	588	207	175	190	H4/L1	12.0	0	1	B13
930 060 054	LFS60	60	–	540	675	242	175	190	H5/L2	14.0	0	1	B13
930 074 068	LFS74	74	–	680	850	278	175	190	H6/L3	16.8	0	1	B13
930 075 060	LFS75	75	–	600	750	260	175	225	EG4/D26	17.2	1	1	B01
930 095 080	LFS95	95	–	800	1000	353	175	190	H8/L5	20.7	0	1	B13
930 105 080	LFS105N	105	–	800	1000	330	172	240	GR31	24.7	9	1	B01
931 105 080	LFS105M	105	–	800	1000	330	172	240	GR31	24.7	9	8	B01
930 120 078	LFS120	120	–	780	–	349	175	236	LOT7	29.0	1	1	B00



VARTA Professional Li-Ion Deep Cycle

VARTA Code	Short Code	Voltage in V	Capacity [Ah]	Wh	IP Rating	Overall dimensions (mm)			Case Size	Weight (kg)	Layout	Terminal	Base hold-down
...K31A						L	W	H					
850 050 000	LL50	12.8	50	640	54	195	132	183	U1R	5.7	0	M6	B00
850 100 000	LL100	12.8	100	1280	67	278	175	190	H6/L3	13.0	0	1; M8	B13
850 100 001	LL100LT	12.8	100	1280	67	278	175	190	H6/L3	13.0	0	1; M8	B13
850 150 000	LL150	12.8	150	1920	67	353	175	190	H8/L5	17.0	0	1; M8	B13
850 150 001	LL150LT	12.8	150	1920	67	353	175	190	H8/L5	17.0	0	1; M8	B13
850 200 000	LL200	12.8	200	2560	67	345	350	188	345 x 350 x 188	29.2	0	M8	B00

VARTA – POWERED BY CLARIOS.

Powering performance and possibility.

Clarios is the world's largest, most technologically advanced and responsible low-voltage battery manufacturer, with a 130-year legacy of innovation and growth. Our mission is to create the world's best batteries, essential for the evolving future of mobility.

As the technology force behind the VARTA brand, Clarios remains committed to our role as a technology and sustainability leader, providing leading premium products, an unmatched circular supply chain and customer-focused solutions that drive progress.

System-level expertise for tomorrow's mobility.

Beyond the battery
Clarios brings deep expertise across the low-voltage energy system, looking at how batteries interact with modern vehicle architectures and future energy demands.

Future-ready technology
With the Clarios Power Management System, we integrate energy generation, storage and intelligent control to support the requirements of tomorrow's vehicle architectures.

Developed with leading OEMs
Technologies and energy systems are engineered in close collaboration with automotive manufacturers, reflecting real-world vehicle needs and proven development competence.

The Clarios Advantage
With decades of engineering experience and OEM-level credibility, Clarios supports increasingly complex low-voltage architectures and reinforces trust in the future capability of the VARTA brand.

POWERING
1 IN 3
vehicles worldwide

Reliable availability you can depend on.

Strong regional network across EMEA

- With 17 strategic locations across EMEA, Clarios ensure a balanced regional footprint.
- Two production networks and four distribution centers keep supply close to customers and support market flexibility.
- A diversified footprint reduces reliance on any single location, strengthening regional resilience.

Built for resilience

- An expanding recycling footprint complements the manufacturing and distribution network.
- The expansion in 2026 from 2 to 5 recycling facilities strengthens vertical integration and increases access to essential minerals.
- A broader recycling network enhances supply chain resilience through greater availability of recovered materials.

6 OUT OF 10
new cars in Europe
are equipped with a Clarios battery



Clarios EMEA footprint.

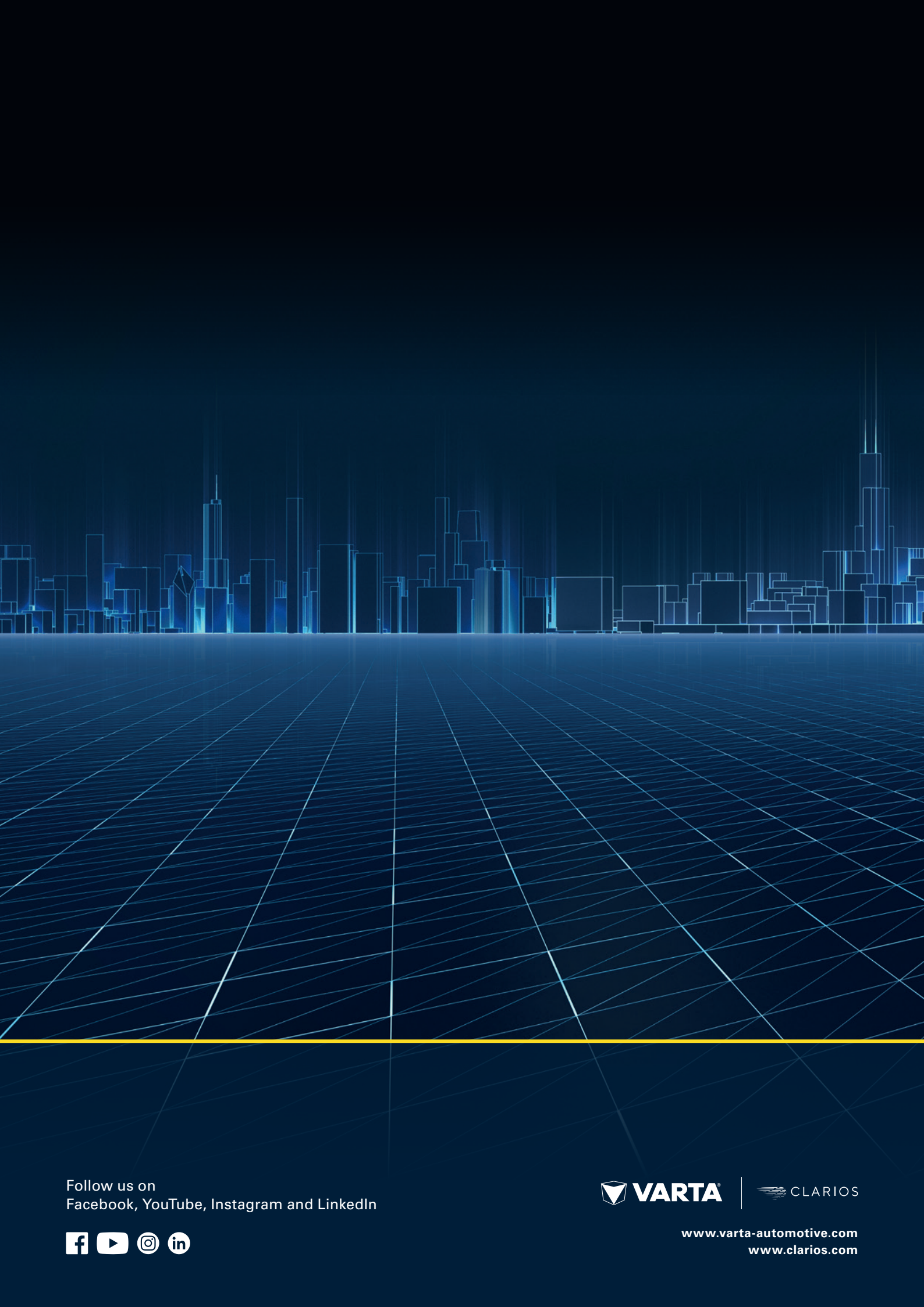
- Battery Assembly
- Component Plants
- Lithium Ion
- Recycling Center

Confidence in a complex regulatory environment.

From regulation to confidence.
Clarios helps customers navigate evolving battery regulations through transparent information, responsible sourcing and established compliance processes.

Built on responsible business practices.
Strong governance, industrial scale and a continued focus on circularity make Clarios a reliable partner for the changes ahead.

2026 WORLD'S MOST ETHICAL COMPANIES® ™
ETHISPHERE
4-TIME HONOREE



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