

We don't follow. We lead.

No technology is better than one that is constantly improving. Here we are.



The new AGM Pure Power. Your ace that protects your data 24/7.

Paves the way to the future with the most advanced thin plate pure lead AGM technology (TPPL) offering the highest power.



A pioneering technology enters the next level.

The perfect answer to the needs of our customers.



Data centers need reliable and advanced data security backup systems in case of a power outage. Demands in relation to performance and cost savings are high. This is the best choice to get the highest power and reduce energy costs – while becoming greener.



Commercial and industrial entities cannot afford to experience power interruptions that could disrupt their operations and cause financial losses.



Telecoms are faced with the challenge of keeping operating costs as low as possible and need smart, reliable, and sustainable battery solutions to let communication run.



15-20%

space saving

20%

higher lifetime

20%

more power at high-rate discharges

- Bringing advanced AGM technology to the next level
- Made in Europe on fully automated production lines with seamless quality controls (Industry 4.0)
- First choice for reliability, durability, and performance
- Lead batteries can be fully recycled (circular economy)
- Contribution of self-generated renewable energy through our own solar parks

Beyond pure lead. Setting new standards.

The world is becoming increasingly digital. Data centers in particular are experiencing high workloads and need to increase the capacity of their facilities but at the same time operate cost-efficiently and sustainably in order to remain competitive. As a forward-thinking company, we have taken on this task in order to safeguard data centers with state-of-the-art energy storage solutions.



Best price per watt offer in the market.

- Increased electrode surface for **highest power**
- Thin plates for maximum energy transfer
- Reduces Total Costs of Ownership (TCO)
 - Space saving of up to 20%
 - Longer battery lifetime

Polypropylene container and lid

- Very low permeability

Inter-cell connectors

- Through the partition welding (TTP) for reduced electrical resistance
- Optimized discharge cross section

Negative plate

AGM separator

- Extremely low electrical resistance

Positive plate

Terminals

- Reliable high frequency induction pole welding

Thin plates pure lead (TPPL) positive electrode

- Extremely low corrosion rate
- High number per cell increasing the active electrode surface



Pure lead AGM technology
for a very long design life



Highest electrode surface
for power and best performance



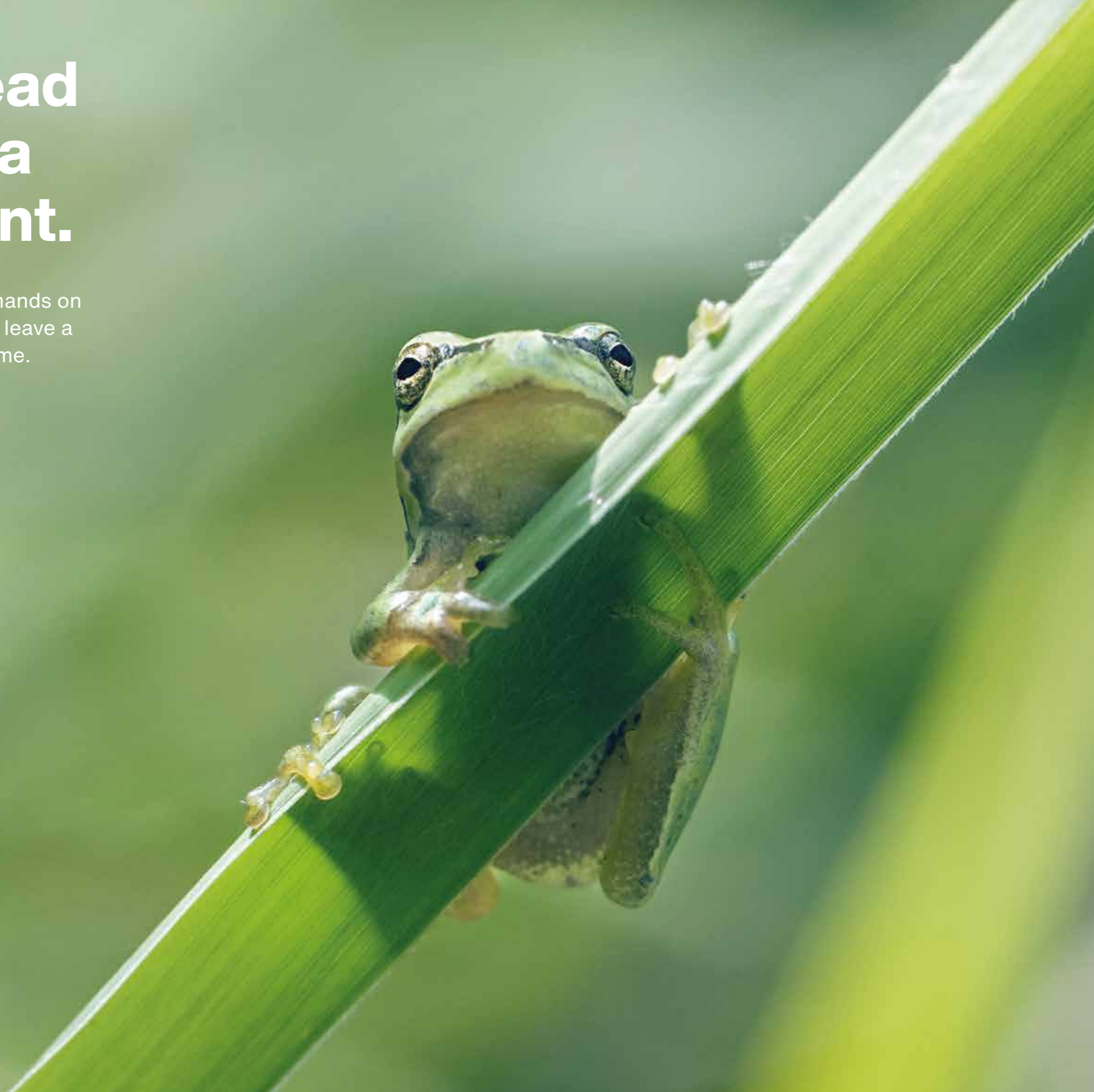
Thin plates
for maximum energy transfer



High energy density
for space savings

Those who lead should leave a green footprint.

The world is evolving and with it the demands on energy supply. Together, we can work to leave a future worth living for generations to come.



Compromise?

No way!

A big investment for a new state-of-the-art AGM production line.

We are moving into the future with the recent inauguration of a new state-of-the-art production line fully dedicated to latest advanced thin plate (TPPL) and pure lead AGM batteries in the battery production facility in Castanheira do Ribatejo, Portugal. Embracing solar power is the path to sustainability. These production and recycling facilities feature two solar parks backed by a reliable battery storage system, enhancing control and self-consumption of renewable energy.

Castanheira plant in facts & figures:

- Battery plant founded in 1950 – installation of new advanced AGM production line in 2023
- Total size: 168,000 m²
- Our company recycling facility in close proximity

Solar park installed in 2019:

- Combined capacity of 4.5 MWp across production and recycling facility
- Carbon emissions **reduced by more than 20%** across both sites
- Energy produced could supply over 1,500 homes
- 11,250 photovoltaic panels and 70 inverters

“As a market leader in energy storage solutions for data centers, I am proud to announce the latest generation of thin plate pure lead (TPPL) technology batteries – AGM Pure Power. These most advanced pure lead AGM batteries for UPS (uninterruptible power supply) and data center applications are produced on fully automated manufacturing lines (#industry 4.0) with automated quality controls at each production stage. Thanks to its closed-loop recycling, powered by solar energy from one of the biggest solar parks with energy storage in Europe, the AGM Pure Power has the smallest possible carbon footprint.”



Serge Arbes, Senior Business
Director Global Energy Solutions

The solar park in Portugal shows our path forward for looking to reduce energy costs and manage carbon emissions. Solar provides a cost-effective and renewable source of energy. Stored energy can be used at night and in reduced sunlight, further reducing emissions and dependence on the grid.



Fits neatly into the family.

With our extensive product portfolio, we have the perfect battery solution for every project. We provide you with competent advice, project support, and an installation service. Our application expertise with best-in-class online tools ensures that every customer can find the perfect battery technology for their requirements.

Battery ranges & application coverage

Application		AGM				Vented	Li-Ion
		Long Life FT	Power Cycle	Pure Power	Extra Power FT	Utilities Premium	Solution Data Center
UPS	Data center	Good fit/recommended	Good fit/recommended	Best fit/highly recommended	Best fit/highly recommended	Not recommended/still possible	Best fit/highly recommended
	Commercial & industrial	Good fit/recommended	Good fit/recommended	Best fit/highly recommended	Best fit/highly recommended	Possible/recommended	Best fit/highly recommended
Telecoms	Stable grid	Best fit/highly recommended	Best fit/highly recommended	Possible/recommended	Possible/recommended	Best fit/highly recommended	Not recommended/still possible
	Poor/off-grid	Not recommended/still possible	Best fit/highly recommended	Not recommended/still possible	Not recommended/still possible	Not recommended/still possible	Not recommended/still possible
Electric utility	Power generation	Possible/recommended	Possible/recommended	Not recommended/still possible	Not recommended/still possible	Best fit/highly recommended	Not recommended/still possible
	TSO/DSO	Good fit/recommended	Good fit/recommended	Not recommended/still possible	Not recommended/still possible	Best fit/highly recommended	Not recommended/still possible
	Stable-grid BESS	Not recommended/still possible	Good fit/recommended	Not recommended/still possible	Not recommended/still possible	Possible/recommended	Not recommended/still possible
	Poor/off-grid BESS	Not recommended/still possible	Good fit/recommended	Not recommended/still possible	Not recommended/still possible	Not recommended/still possible	Not recommended/still possible
Solar-powered equipment	Parking meters/ marine buoys, etc.	Not recommended/still possible	Good fit/recommended	Not recommended/still possible	Not recommended/still possible	Not recommended/still possible	Not recommended/still possible
Emergency & security	Alarm systems, CCTV	Not recommended/still possible	Not recommended/still possible	Good fit/recommended	Not recommended/still possible	Not recommended/still possible	Not recommended/still possible
	Emergency lighting	Not recommended/still possible	Not recommended/still possible	Possible/recommended	Not recommended/still possible	Not recommended/still possible	Not recommended/still possible

best fit/highly recommended
 good fit/recommended
 possible/recommended
 not recommended/still possible

Long live the new AGM Pure Power.

Technical features:

- Thin Plate Pure Lead technology (TPPL)
- Design life: 12+ years at 20 °C (until 80% nominal C₁₀)
- Maintenance-free (no topping up) during the whole service life
- High-compression Absorbent Glass Mat (AGM) technology
- Power (10 minutes) from 1978 to 5006 watt
- Flame-retardant UL 94 HB or flame-retardant UL 94 V-0 version
- Very low gassing due to internal gas recombination (99% efficiency)

Standards & certifications:

- EUROBAT 2022 classification: >12 years – very long life
- No restrictions for rail, road, sea, and air transportation (IATA, DGR clause A67) – trouble-free transportation of operational blocks
- Approval: UL (Underwriters Laboratories)
- Designed in accordance with IEC 60896-21/22
- Manufactured in Europe in our ISO 9001 certified production plants



Design life
12+ years



Nominal capacity
56.4-195 Ah



Block battery



Grid plate



Recyclable



Valve regulated
lead-acid
batteries



Maintenance-free
(no topping up)



Special high
current
performance

We don't imitate. We innovate.

We don't just develop good technology,
we break new ground!

AGM Pure Power

Welcome to our most advanced data backup with the latest generation of pure lead AGM technology. Best example to illustrate our mission: Even the hottest technology can still get improved.

We are technology-agnostic and always search
for the best possible solution for our customers.

Solition Data Center

Solition Data Center offers a cutting-edge lithium-ion based energy storage solution for data centers that need reliable and efficient backup power. Provides high cycle stability, outstanding performance, inherent safety features and durability.



And never stop thinking in all directions.



Solition Mega

Renewable energy supply is harder to predict, and production can be more volatile. Data centers can help reduce the volatility in the power grid by promoting the transition towards green energy and, in the process, generate revenues from their UPS. No matter what size, Solition Mega energy storage systems provide a reliable and efficient solution for a wide range of energy storage needs.



Progress knows no borders.

Like our dedication for a sustainable future.

Mericas® battery solutions are designed and manufactured in Europe. Transforming the future of energy storage and driving the electrification from all our locations around the world.



<p>All manufacturing plants ISO 9001 certified</p>	<p>All automotive plants IATF 16949 certified</p>	<p>All manufacturing plants ISO 14001 certified</p>	<p>All manufacturing plants ISO 50001 certified</p>	<p>Most manufacturing plants ISO 45001 certified</p>
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Manufacturer: by /**MERICAS**

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