

Communication never stops. Neither do we.

Marathon Pure Energy Premium forms the leading edge in telecommunications for back-up power.



Creating the future – the Exide way:

-  Innovation
-  Reliability
-  Sustainability
-  High Performance

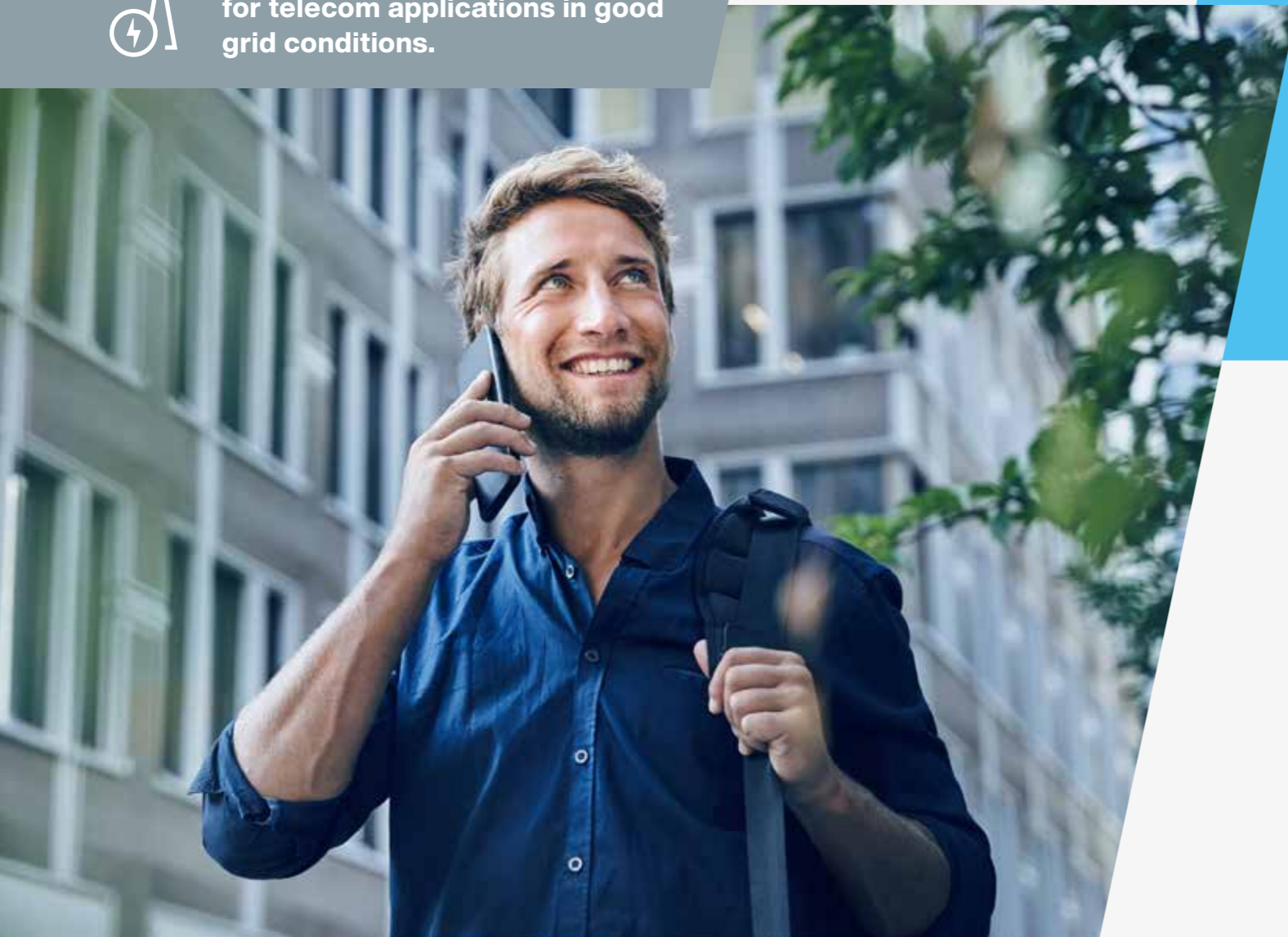
Running forward over the longest distance.

This level of reliability results from decades of expertise, deep technical know-how, and a continuous drive to engineer best-in-class solutions. We are proud to lead the way in back-up power – trusted by customers worldwide to support their critical infrastructure. Our proven Marathon AGM series has built its reputation on consistent long-term performance, durability, and excellent total cost of ownership (TCO).

But there's more. Being future-proof means never stop improving with the best technology. Get ready for an extremely long design life.



Proven reliability and performance for telecom applications in good grid conditions.



The most advanced Thin Plate Pure Lead (TPPL) AGM technology.

The Marathon Pure Energy batteries from Exide Technologies set the benchmark for exceptional performance, longevity, and reliability.

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

Thin plates pure lead (TPPL) positive electrode

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

Higher efficiency for higher demands.

Exide Technologies and its world's best performers keep the world connected. Marathon Pure Energy Premium and Premium FT are the solution to the demand for even higher efficiency and durability. These batteries are ideal for the following applications:



Telecom



Commercial and industrial










Electric utility



Data center



Designed for high availability.

Marathon Pure Energy Premium

-  Design life: 15 years at 20 °C (until 80 % nominal C₁₀)
-  Nominal capacity: 50.4-179 Ah
-  Maintenance-free (no topping up) during the whole service life
-  High-compression Absorbent Glass Mat (AGM) technology
-  Wide operating temperature range: -40 °C to +55 °C
-  Thin Plate Pure Lead (TPPL) technology for highest corrosion resistance and a very long design life
-  Very low gassing due to internal gas recombination (99% efficiency)








15 years of design life.



-  Low self discharge rate, enabling extended storage capability
-  Durable container material – maintaining structural integrity in higher operating temperatures




Built for long life.

Marathon Pure Energy Premium FT


-  Design life: Up to 20 years at 20 °C (until 80 % nominal C₁₀)
-  Nominal capacity: 86-200 Ah
-  Maintenance-free (no topping up) during the whole service life
-  High-compression Absorbent Glass Mat (AGM) technology
-  Wide operating temperature range: -40 °C to +55 °C
-  Thin Plate Pure Lead (TPPL) technology for highest corrosion resistance and a very long design life
-  Very low gassing due to internal gas recombination (99% efficiency)

Up to 20 years of design life.



-  Low self discharge rate, enabling extended storage capability
-  Durable container material – maintaining structural integrity in higher operating temperatures
-  Central degassing available on request


Additional benefits


-  **Scalable and high availability**
Wide range of capacities and voltages with short recharging time



Scan for more information about the Marathon Pure Energy Premium.

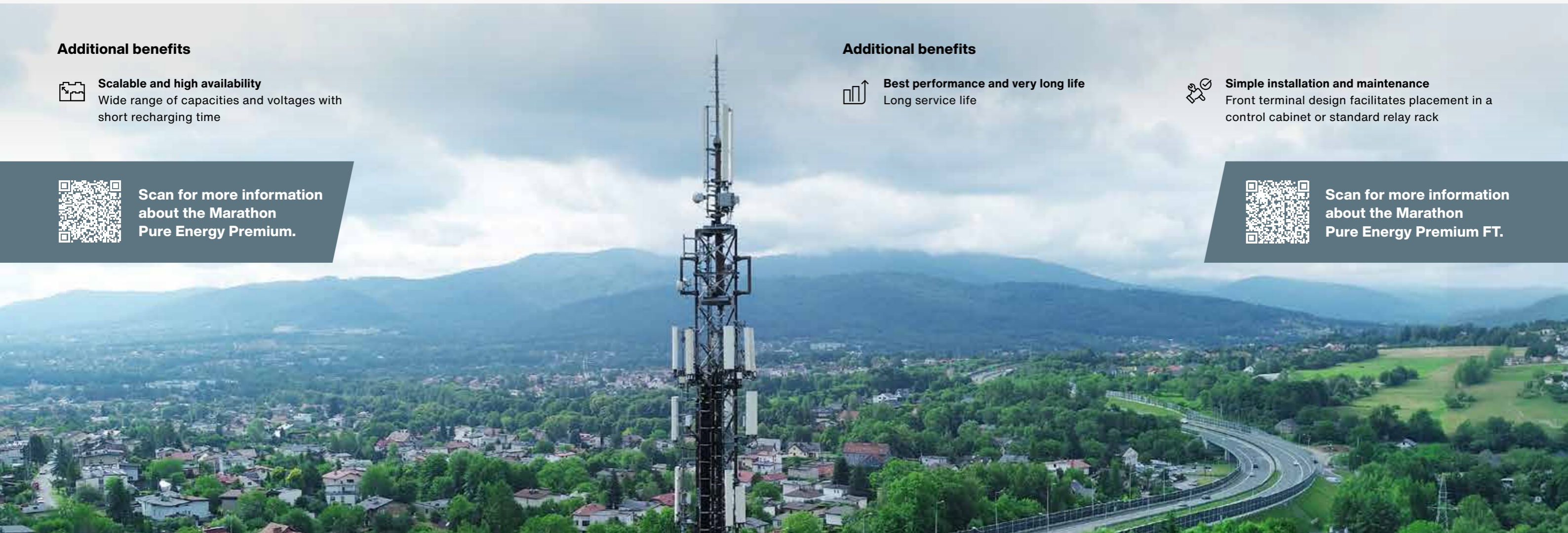
Additional benefits

-  **Best performance and very long life**
Long service life

-  **Simple installation and maintenance**
Front terminal design facilitates placement in a control cabinet or standard relay rack



Scan for more information about the Marathon Pure Energy Premium FT.



Advanced technology in the best light: the sun.

Our state-of-the-art AGM production line is powered entirely by renewable energy.


We have expanded the future of our company with the state-of-the-art production line fully dedicated to latest TPPL AGM batteries at our Castanheira do Ribatejo plant in Portugal. Embracing solar power is the path to sustainability – which is why our Portuguese production and recycling facilities feature two solar parks backed by a reliable Sonnenschein A600 gel battery energy 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



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.

We aim the greener green.

Our commitment to sustainability is more vital and impactful than ever. We strive for absolute efficiency using renewable energies in order to offer future generations a world worth living in.

We work every day to become even more sustainable – our spirit to innovate and improving ourselves never stops.

The world is changing. That's why we are energizing a new world.

For Exide, now is the time to release new energies to move even more into the future. Our new alignment **“Energizing a new world”** is designed to convey this aspiration. We want to bring change to life, face challenges together with our partners, and develop solutions for today and tomorrow. **Let's create the future – the Exide way:**



Innovation is the engine of technology leadership. That's why we are constantly evolving, remaining self-critical, and continue to inspire our customers.



Sustainability is an important part of our responsibility. That's why we rely on renewable energies and intelligent recycling concepts.



Reliability defines our business. This applies to our products as well as our innovative development, services, and partnerships. Our responsibility does not end with our products, but starts right there.



High Performance is the standard we set for our products and services. All our solutions are best of class. This means our customers are optimally equipped for any task.

Hand in hand with the future.

Those who want to thrive in the future must help invent it. We have already done this in the past. Closely aligned with the demands and needs of our customers, we offer solutions based on the latest technology in every segment. A product portfolio that can serve every project, even the project called “future”.

Battery ranges & application coverage

Application	Sonnenschein								Marathon				AGM UPS	Sprinter		Absolyte	Powerfit	Classic									
	A100	A400	A400 FT	A500	A600	Solar	Rail	Power Cycle	Pure Energy Premium	Pure Energy Premium FT	Power Cycle	M-FT	L	S200	P	Pure Power	Pure Power FT	GP/GX	S100/S100L/S300	OCSM	OPzS	Energy Bloc	OPzS Solar	EnerSol	Rail		
UPS	Data center																										
	Commercial & industrial																										
Telecoms	Stable grid																										
	Poor/off-grid																										
Electric utility	Power generation																										
	TSO/DSO																										
	Stable-grid BESS																										
Solar-powered equipment	Poor/off-grid BESS																										
	Parking meters/marine buoys, etc.																										
Emergency & security	Alarm systems, CCTV																										
	Emergency lighting																										
Railway	Signaling & infrastructure																										
	Rolling stock																										

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

It's not about being the first. It's about being the best.

We combine advanced technology with the expertise needed to continuously improve it.

Marathon Pure Energy Premium range

These batteries are known as a reliable, long-life energy storage solution based on the latest AGM technology. Designed for telecommunications and other critical infrastructure, they deliver high-performance back-up power for medium to long back-up durations.



The base for basestations.

Solition Telecom

Solition Telecom's battery modules are ideal for telecommunications base stations (BTS). With a long cycle and calendar life, they ensure a reliable power supply for energy storage systems under various grid conditions. Thanks to the integrated battery management system and LFP cell chemistry, they also guarantee a high level of safety even under extreme conditions.



Energy that goes beyond.



- Automotive plant
- Industrial plant
- R&D facility
- Recycling
- Global HQ
- Principal sales offices
+ sales offices and distribution centers worldwide



<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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**ENERGIZING
A NEW
WORLD**

EXIDE[®]
TECHNOLOGIES