



COMPANY PROFILE

Leadcrystal

A Division of Bin Othaimen Group

Powering Progress with Next-Generation Energy Storage

About Leadcrystal

Leadcrystal is a dynamic new force in the energy storage sector, proudly established as a division of the esteemed **Bin Othaimen Group**, a premiere business services and holding company with a legacy of excellence in Saudi Arabia.

Based in the Kingdom of Saudi Arabia, our mission is to revolutionize energy reliability and efficiency across the region. We achieve this by supplying, supporting, and promoting **world-class Lead Crystal battery technology**—a breakthrough innovation that sets a new standard for performance, safety, and sustainability in stationary energy storage.

Operating from our strategic hub in the Kingdom, we are dedicated to serving the critical energy storage needs of Saudi Arabia and the broader MENA region, supporting national visions for a diversified, sustainable, and technologically advanced future.

Official Website: <https://www.leadcrystal.co>

Our Purpose: The Foundation of Reliability

In a region defined by ambitious growth, digital transformation, and climatic extremes, a dependable power source is not a luxury—it is an absolute necessity. Interruptions in energy supply can halt progress, disrupt services, and incur significant costs.

Leadcrystal exists to **eliminate power uncertainty**. We provide businesses, infrastructure projects, and communities with an energy storage solution so

robust and reliable that it becomes the invisible, unwavering foundation upon which progress is built. We are not just selling batteries; we are delivering **peace of mind and operational continuity**.

Our Vision & Mission

- **Our Vision:** To be the leading and most trusted provider of innovative energy storage solutions in the MENA region, powering a future where energy is always secure, efficient, and sustainable.
 - **Our Mission:** To empower businesses and communities across Saudi Arabia and the MENA region with superior Lead Crystal battery technology, delivering unmatched reliability, reducing total cost of ownership, and providing exceptional service through our deep local expertise and the strong legacy of the Bin Othaimen Group.
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The Leadcrystal Advantage: A Breakthrough in Battery Technology

While the name includes "lead," our **Lead Crystal** technology represents a fundamental evolution from traditional lead-acid or even AGM batteries. It is a distinct, patented class of battery that uses a silica-based electrolyte which solidifies into a stable, crystalline gel.

This simple yet profound difference unlocks a suite of benefits that make it the ideal choice for the demanding conditions of our region.

Key Benefits & Why It's the Superior Choice for Saudi Arabia & MENA:

1. Unmatched Reliability & Safety:

- **Zero Maintenance:** The solidified electrolyte never requires watering or equalization charges, eliminating maintenance costs and risks.
- **Exceptional Safety:** Non-spillable, sealed construction. Significantly lower risk of leakage, thermal runaway, or emission of hazardous gases compared to other technologies.
- **Deep Discharge Resilience:** Withstands deep discharges significantly better than traditional batteries, recovering fully without the permanent damage that cripples other types.

2. Built for the Region's Environment:

- **High-Temperature Performance:** Superior tolerance to the extreme heat prevalent in the region. Experiences far less capacity loss and degradation at high temperatures compared to standard batteries.
- **Longer Service Life:** Offers a dramatically extended operational lifespan (often 2-3 times longer than conventional lead-acid under similar conditions), providing greater value over time.

3. Operational Efficiency & Cost-Effectiveness:

- **Lower Total Cost of Ownership (TCO):** While the initial investment may be higher, the combination of a much longer lifespan, zero maintenance, and higher energy efficiency results in a substantially lower cost per cycle and per year of service.
- **High Charge Acceptance:** Charges faster and more efficiently, saving on energy costs and generator runtime, which is critical for backup and renewable energy applications.
- **Long Shelf Life:** Can be stored for extended periods with minimal charge loss, ensuring reliability even from standby.

4. Versatility & Sustainability:

- **Wide Application Range: Perfect for:**
 - Telecommunications & IT: UPS systems for towers and data centers.
 - Renewable Energy: Storage for solar (PV) and wind installations.
 - Security & Infrastructure: Backup for traffic systems, security networks, and remote monitoring.
 - Utility & Industrial: Grid support, emergency lighting, and general backup power.
 - **Eco-Friendly:** Fully recyclable at end of life, supporting corporate and national sustainability goals.
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Our Commitment: Partnership & Support

As a member of the Bin Othaimen Group, Leadcrystal operates with a commitment to integrity, quality, and long-term partnership. We provide more than just products:

- **Technical Expertise:** Local specialists to guide you to the optimal solution.
- **Reliable Supply Chain:** Guaranteed access to genuine, high-performance batteries.
- **Comprehensive Support:** From design consultation to after-sales service.

Contact Us:



Leadcrystal – A Division of Bin Othaimen Group

Website: <https://www.leadcrystal.co>

Location: Kingdom of Saudi Arabia

Let us build a resilient energy future for your enterprise. Partner with Leadcrystal—where innovation meets reliability.
