

# ECO POWER

Future of Energy

Sustainable | Reliable | Innovative

[www.theecopower.com](http://www.theecopower.com)





# Company Overview

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Founded in 2024 in Abu Dhabi, UAE, ECO POWER is a pioneering manufacturer of advanced lithium batteries engineered for the future of sustainable energy. Our proprietary battery architecture delivers superior performance, longevity, and safety across diverse applications. Combined with our intelligent Battery Management System (BMS), we ensure optimal charging cycles, real-time monitoring, and maximum efficiency. From residential solar storage to industrial-scale energy solutions, ECO POWER is committed to powering a cleaner, more reliable world.



# Our Vision

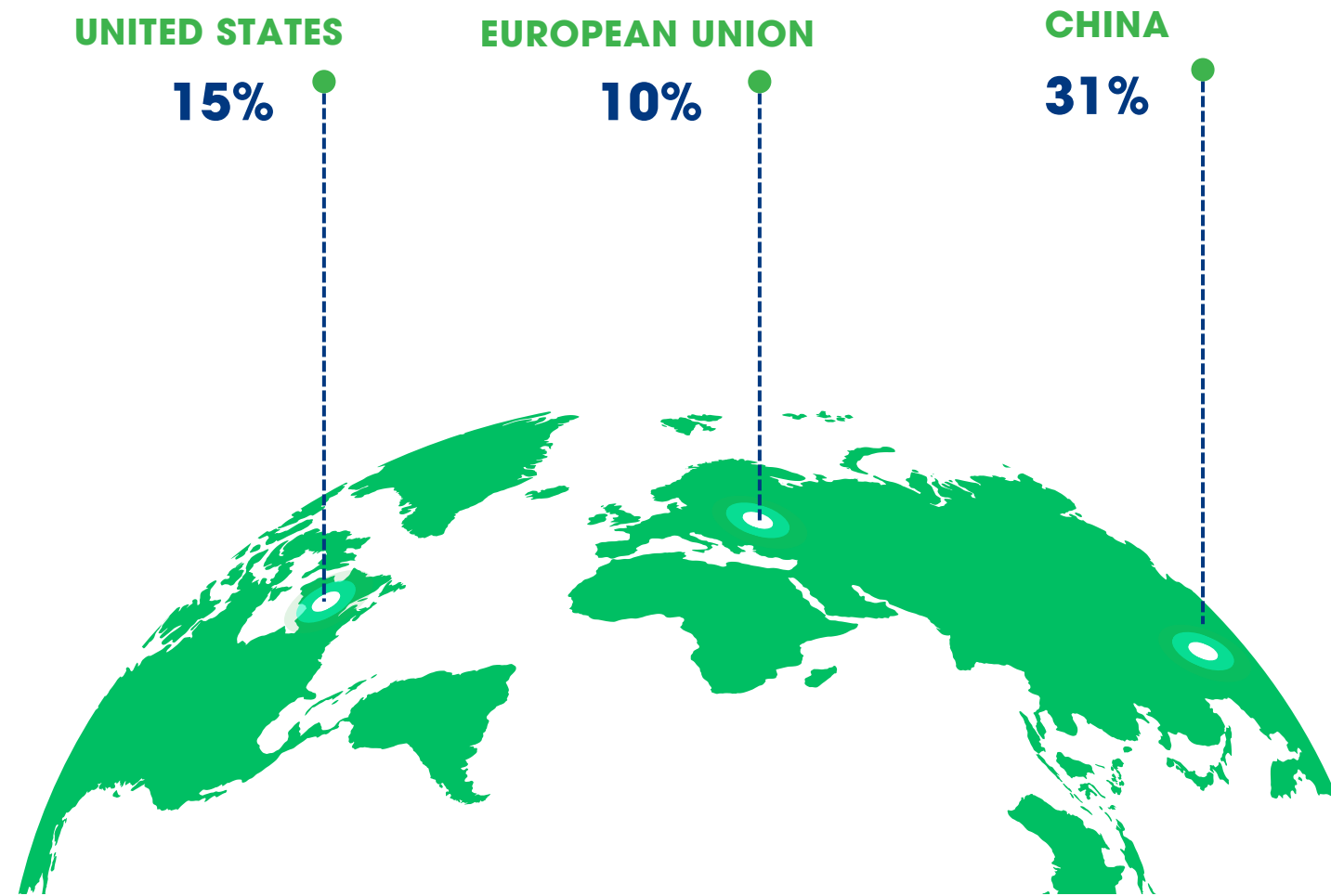
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To be a global benchmark in advanced energy storage, engineering a zero-emission future where intelligent, clean, and uninterrupted power drives human progress without compromising our planet

# Our Mission

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To accelerate the global transition to sustainable energy by developing, manufacturing, and deploying state-of-the-art lithium storage systems. Through our proprietary battery architecture and AI-driven Battery Management Systems (BMS), we empower critical infrastructure, heavy industries, and modern communities with high-density, fail-safe, and zero-emission power. From the heart of Abu Dhabi to the world, ECO POWER is committed to redefining grid resilience and minimizing reliance on fossil fuels



• Middle East and Africa – growing rapidly at rates exceeding 6% annually

# Renewable Energy




## Renewable Energy Demand

- **Unprecedented Capital Realignment:** Driven by global decarbonization mandates, renewable energy demand has sustained a 15% year-on-year surge, now capturing over 92% of all new power capacity installations worldwide.
- **Strategic Risk Mitigation:** Global enterprises and sovereign entities are aggressively decoupling from volatile traditional utilities, shifting toward resilient, self-sustaining microgrids to secure long-term fiscal and operational predictability.
- **The Storage Infrastructure Imperative:** This macro-structural evolution establishes advanced energy storage as a critical, high-ROI asset essential for guaranteeing absolute grid independence and asset resilience



# Clean Energy

## Our Vision: Clean Energy as the Ultimate Catalyst

-  The Financial Return (Economic Stability): Drastically lowers operational costs, shields businesses from volatile global fuel prices, and delivers a high, long-term ROI that ensures financial predictability.
-  The Human Return (Empowerment & Reliability): Delivers uninterrupted, resilient power to eliminate blackouts, while bridging the energy gap to bring light, education, and healthcare to underserved communities.
-  The Environmental Return (A Living Planet): Slashes carbon footprints and combats climate change, preserving natural resources and securing a healthier, pollution-free planet for future generations



# Normal Batteries

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## BESS

### Battery Energy Storage System

DOD Percentage **87%**

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Charging Duration **Slow Charge**

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Discharge Efficiency **Normal**

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Warranty **5 Years**

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# ECOPOWER Batteries

## HESS

### Hybrid Energy Storage System

DOD Percentage

**96%**

Charging Duration

**Fast Charging 45% faster**

Discharge Efficiency

**High Efficiency +22%**

Warranty

**7 Years**



# Lithium Battery Development

## The Future of Energy that Protects the Environment

We integrate advanced Lithium-ion technology to deliver the ultimate synergy between financial savings and operational resilience:

- 💰 Low TCO & High ROI: minimal maintenance, drastically cutting energy bills and operational costs.
- ⚡ Peak Technical Performance: Features high energy density and 90% Depth of Discharge (DoD) for flawless, uninterrupted backup power.
- ♻️ Net-Zero Alignment: Enables 100% clean energy storage utilizing eco-friendly, fully recyclable, and toxin-free materials





# Eco Smart Batteries

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We ensure absolute uptime and system resilience through next-gen asset management:

- Predictive IoT Monitoring: Real-time data telemetry to detect and resolve system anomalies autonomously before they cause downtime.
- Proactive SLA Lifeline: A dedicated, 24/7 rapid-response engineering desk ensuring seamless continuity and immediate incident resolution

## Engineering Core & Hierarchy

The driving force behind our operational excellence:

- Elite Technical Force: Multi-disciplinary, highly certified energy engineers specialized in advanced grid integration and lithium technologies.
- Agile Organization: A streamlined, matrix-structured hierarchy engineered for rapid field deployment, precise project execution, and strict global safety standards



# Product Description

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## Product Architecture: Intelligent ESS

Our flagship Lithium Energy Storage Systems (ESS) represent the pinnacle of clean-tech engineering:

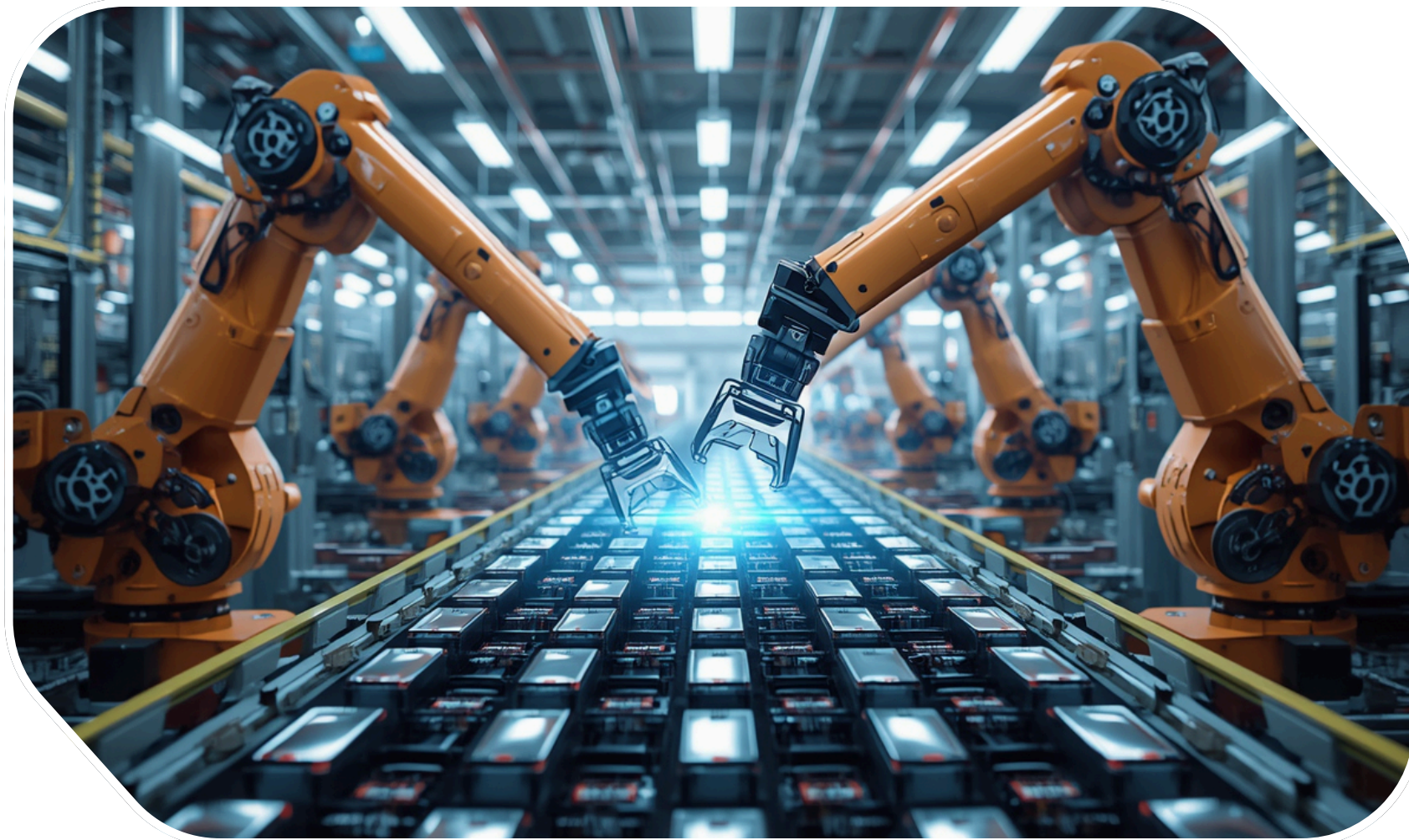
- **Advanced LFP Chemistry:** Built on ultra-safe Lithium Iron Phosphate ( $\text{LiFePO}_4$ ) tech, delivering maximum thermal stability and up to 6,000+ life cycles.
- **Proprietary Smart BMS:** Integrated with an intelligent Battery Management System for real-time cell balancing, thermal control, and failure prevention.
- **Modular Scalability:** A plug-and-play architecture designed to scale seamlessly from residential backups to mega-watt industrial grids



# Manufacturing Stages

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## The Manufacturing Pipeline: Precision Engineering



Every unit leaving Eco Power Factory passes through an automated, zero-tolerance precision workflow:

- Phase 1: Advanced Cell Grading: High-precision testing of internal resistance and capacity to ensure 100% cell matching and uniformity.
- Phase 2: Robotic Laser Assembly: Fully automated module assembly and laser-welding to ensure robust, vibration-resistant connections.
- Phase 3: BMS Integration & Calibration: Embedding the electronic "brain" and flashing it with customized firmware for precision monitoring.
- Phase 4: Stress-Testing & QA: Rigorous multi-stage validation including extreme thermal cycling, load tests, and full capacity verification



# Product Models by Application

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## Home & Villas

Our specialized battery solutions are designed to store solar energy and provide a reliable backup power source for homes and villas.

### Suitable Models

- battery 5.2 kWh - 57.3 kWh
- Integrated solar battery system with a versatile inverter

### Common Uses

- Lighting
- Powering essential appliances (refrigerator, Wi-Fi, TV)
- Partial or full air conditioning





# Product Models by Application



## Factories & Industrial

High-capacity energy storage solutions that support continuous industrial operations and reduce costs.

### Suitable Models

- High-capacity LFP battery units: 51.2V – 280Ah.
- High-capacity LFP battery units: 51.2V – 300Ah.
- High-capacity LFP battery units: 51.2V – 340Ah or higher.

### Common Uses

- Production lines
- Heavy industrial equipment
- Backup power solutions for large factories



# Product Models by Application

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## Farms & Agricultural

High-capacity energy storage solutions that support continuous industrial operations and reduce costs.

### Suitable Models

- High-capacity LFP battery units: 51.2V – 280Ah.
- High-capacity LFP battery units: 51.2V – 300Ah.
- High-capacity LFP battery units: 51.2V – 340Ah or higher.

### Common Uses

- Operating water pumps
- Running irrigation systems
- Running farm equipment
- Lighting pathways and farms





# Product Models by Application

## Special & E-Scooter Battery Solutions Uses



Eco Power develops high-efficiency lithium battery systems designed specifically for electric scooters and lightweight mobility applications. Our batteries deliver stable power output, fast charging capability, and extended cycle life, ensuring reliable performance for daily commuting and commercial fleet operations.

### Suitable Models

- Portable lithium batteries with capacities
- 36V Lithium Battery Packs
- 48V High-Performance Scooter Batteries
- 52V Long-Range Battery Systems
- Compact Modular Packs for Foldable E-Scooters
- Heavy-Duty Packs for Delivery & Commercial Scooters

### Key Advantages

- Lightweight design
- Fast charging
- Long cycle life
- High energy density
- Advanced BMS safety



# Product Models by Application

## Special & Car Batteries Uses



Eco Power develops high-quality lithium car batteries engineered for modern mobility. Our automotive solutions deliver high energy density, fast charging, superior safety, and long cycle life—making them ideal for electric vehicles and next-generation transportation.

### Suitable Models

- Portable lithium batteries with capacities
- 12V Systems: 50Ah – 200Ah
- 24V Systems: 50Ah – 300Ah
- 48V Systems: 50Ah – 600Ah
- High-Voltage Racks: 100Ah – 300Ah per module
- Mega-Scale Containers: 100kWh – 5MWh+

### Key Advantages

- High efficiency, long cycle life, fast charging
- advanced safety, scalable design
- reliable performance, and intelligent monitoring.



# Certifications & Excellence

## Made in UEA

UNITED ARAB EMIRATES  
MINISTRY OF INDUSTRY  
& ADVANCED TECHNOLOGY

الإمارات العربية المتحدة  
وزارة الصناعة  
والتكنولوجيا المتقدمة

ترخيص باستخدام علامة صنع في الإمارات  
License to Use Made in the Emirates Mark

رقم الشهادة:	25-12-00228/ME25-12-000311	رقم قيد رخصة الإنتاج الصناعي:	IL031265
Industrial Production License Record Number:	IL031265	تاريخ الإصدار:	26-December-2025
Registration Date:	26-December-2025	صالحه لغاية:	25-December-2028
Valid Until:	25-December-2028	أصدرت إلى:	إيكو باور لصناعة بطاريات ل.م.م
Issued To:	إيكو باور لصناعة بطاريات ل.م.م	عنوان المصنع:	العين النود وادي العين 1 شارع 25
Factory Address:	العين النود وادي العين 1 شارع 25		

القطاع:	كهرباء
Sector:	Electrical
المنتجات:	المواد الخطرة المفيدة في الأجهزة الكهربائية والإلكترونية
Products:	ROHS
تفاصيل المنتجات:	انظر بيان التسجيل المرفق
Products Details:	See Schedule of Certification

MADE IN THE EMIRATES

صنع في الإمارات

Products listed in the attached Schedule of Certification are given the license to use the Made in the Emirates Mark, based on compliance to the Approved Standards and Made in the Emirates procedures.

المنتجات المذكورة في بيان التسجيل الملحق مرخصة باستخدام علامة صنع في الإمارات لمطابقتها للمواصفات المعتمدة والإجراءات الخاصة بعلامة صنع في الإمارات.

This is an electronic certificate and does not require stamp and signature.

هذه الشهادة إلكترونية ولا تحتاج إلى ختم وتوقيع.

To verify this certification please scan the QR-CODE. Any changes or modification on this certificate will affect its validity.

لتأكد من صحة الشهادة يرجى مسح رمز الاستجابة السريع أي كود QR في هذه الشهادة بملفها.

www.aeat.gov.ae

MOAAT

## CE Mark

EQA  
Excellence Quality Assurance CB  
Address: 71-75 Shelton Street, Covent Garden, London, United Kingdom, WC2H 9JQ  
info@eqa-uk.com

EU CERTIFICATE OF CONFORMITY  
CERTIFICAT - CERTIFICADO - CERTIFICAAT - СЕРТИФИКАТ - 証明書

1. APPLICANT: ECO POWER BATTERY MANUFACTURING - L. L.C  
TRADER NAME: ECO POWER BATTERY MANUFACTURING - L. L.C  
2. ADDRESS: ROAD 55, ECOPOWER, AL NOUD, AL AIN, ABU DHABI, UNITED ARAB EMIRATES  
3. CERTIFICATE NO.: EC032512EMCE29AE  
4. FILE REFERENCE: TF\_EMC\_011A\_051125

CAUTION ABOUT CE MARKING (Instruction for the Applicant who puts the product on the EU Market):  
The label of the CE Marking on the left side should not be less than 5mm height. CE Marking and EC Declaration of Conformity are duties for the manufacturer or its applicant who puts the product on the market. This one is responsible to start the CE marking and certification procedure as required by the legislation in force. Only for the products which are compulsorily included into specific. Direction or regulations will be necessary to appoint a Notified Body.

5. TYPE OF PRODUCT: LFP (lithium iron phosphate) battery  
MODEL(S) (IF ANY): See the following annex I

6. LIST OF DIRECTIVES/ REGULATIONS /STANDARDS (as declared by the manufacturer itself)  
The Electromagnetic compatibility (EMC) Directive 2014/30/EU as per EN 55014-2:1997

7. NOTE: The applicant is aware about the contents and information included in the ModCOM04.06 Regulation for this type of Certificate that is considered totally accepted. The latest revision of the Regulation is available and can be downloaded from the website www.eqa-uk.com. This document is not referred to any evaluation that could be considered as included in the scope of activities covered by the standard BS EN ISO/IEC 17065:2012 or European Regulation 765/2008.

8. REMARK: Certificate is issued on voluntary application from the Client and it gives to the applicant the right to use. EQA doesn't imply any assessment on the safety and compliance of the product. EQA declares that the only scope of assessment is to verify the existence of the declaration issued by the manufacturer or an applicant under its own responsibilities.

9. DATE OF ISSUE: 03/12/2025  
10. DATE OF EXPIRY: 02/12/2028

11) SIGNATURE:  
(On behalf of Organization Representative)

William W. W. W.

EQA

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## Abu Dhabi licence

ADRA  
Abu Dhabi Regulatory Authority

وزارة التنمية الاقتصادية  
DEPARTMENT OF ECONOMIC DEVELOPMENT

رخصة أبوظبي الاقتصادية  
Abu Dhabi Economic Licence

تفاصيل الرخصة

نوع الرخصة	صناعية
نوع الرخصة	إنتاج
رقم التسجيل	IN-2007183
رقم التسجيل الموحد	101-2025-200034321
رقم الرخصة الموحد	
تاريخ التأسيس	2011/2024
تاريخ الإصدار	2011/2025
تاريخ الانتهاء	19/11/2026
الشكل القانوني	شركة ذات مسؤولية محدودة
الاسم التجاري	إيكو باور لصناعة بطاريات - ل.م.م

Legal Form: Limited Liability Company  
Trade Name: ECO POWER BATTERY MANUFACTURING - L.L.C

المالكين والممثلين

الاسم	الجنسية	الدور الوظيفي
VXL HUB LIMITED <td>الإمارات العربية المتحدة<td>شريك</td></td>	الإمارات العربية المتحدة <td>شريك</td>	شريك
مستشفى احمد محمود ابو الواد <td>مصر<td>شريك</td></td>	مصر <td>شريك</td>	شريك
مؤتمن محمد بديله <td>مصر<td>شريك</td></td>	مصر <td>شريك</td>	شريك
BASEL MOSAAD ABOU SALAMA <td>مصر<td>مدير</td></td>	مصر <td>مدير</td>	مدير

النشاط المرخصة

صناعة بطاريات الجوال الجفقا	272002
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المشروعات

Dry battery industry

العنوان

Office Email: ecopowerbatterymanufacturing@gmail.com  
Office Mobile: +971562540054  
Address: العين النود وادي العين 1 شارع 25

www.adra.gov.ae

1 of 2 Print Date: 21/11/2025 Print Time: 22:20:26 To verify the economic licence kindly visit the TAMADAG service on www.lam.ae/abudhabi



# Certifications & Excellence

## Audit Report

**TÜVRheinland**  
Precisely Right.

**Harmonized Factory Audit Report**

Initial Assessment	Surveillance Assessment	Re-Assessment
	<input checked="" type="checkbox"/>	

Report No.: FAUAENP25032026 01  
Factory name: Eco Power Battery Manufacturing LLC

The auditor inspected the above referenced factory with the following results:

Audit Summary			
Section	P = Pass	F = Fail	N = Not applicable
Incoming Goods	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Production Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Measuring Equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Handling and Storage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Product Verification Testing (PVT) and Complaint Handling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quality Records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The requirements in respect to an orderly production and the audit of licensed products are

<input checked="" type="checkbox"/> fulfilled no deviations positive confirmation	<input type="checkbox"/> fulfilled with condition minor deviations corrections will be checked during next audit	<input type="checkbox"/> not fulfilled major deviations document check of the corrective actions necessary	<input type="checkbox"/> not fulfilled safety affected deviations Re-audit necessary
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Explanation / Remarks: Technical Regulation for Electric Batteries

The factory will be visited again in  one year  earlier, due to re-audit  
The audit was carried out (between): 25/03/2026 11:00 to 14:00

The result of the factory audit has been explained to the representative of the factory and has been acknowledged with below signature.

Date: 25/03/2026  
Location: UAE

Signature, TÜV Rheinland Auditor:

Signature, Factory representative:

ML006090 Rev 2

## production License

UNITED ARAB EMIRATES  
MINISTRY OF INDUSTRY  
& ADVANCED TECHNOLOGY

الإمارات العربية المتحدة  
وزارة الصناعة  
والتكنولوجيا المتقدمة

**Industrial Production License** رخصة إنتاج صناعي

Record Number	8031265	رقم الترخيص
Record Date	27/11/2025	تاريخ المبد
Expiry Date	26/11/2026	تاريخ الانتهاء
Trade Name	ECO POWER BATTERY MANUFACTURING	إيكو باور لباتاري
Legal Form	Limited Liability Company	شركة ذات مسؤولية محدودة
Emirate	Abu Dhabi	أبوظبي
City	Al Ain City	مدينة العين
Area	Al Ain Industrial City	مدينة العين الصناعية
Phone Number	056-2540054	رقم الهاتف
Address	العين - أبو ظبي	العنوان

**Factory Manager** مدير المصنع

Nationality	الجنسية	Name	الاسم
Egypt	مصر	ياسر محمد عبده سلامة	ياسر محمد عبده سلامة

**Activities** الأنشطة

Dry Cell Batteries Manufacturing | صناعة بطاريات الخلايا الجافة

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www.moat.gov.ae

## Membership Certificate

**غرفة أبوظبي**  
ABU DHABI CHAMBER

بناءً على قانون غرفة تجارة وصناعة أبوظبي رقم 27 لسنة 2005 م وتعديلاته

بطاريات - ذخيرة

الجنسية: الإمارات العربية المتحدة

صدرت بتاريخ: 20-11-2025

وسبرك مفعول

سنوية محدودة

مسند صادر عن غرفة التجارة، وأمزيد من الغرفة التجارية.

**غرفة أبوظبي**  
ABU DHABI CHAMBER  
قطاع خدمات الأعضاء  
Members Services Sector  
الجمعية العامة للصناعة والتجارة في أبوظبي  
Abu Dhabi Chamber of Commerce & Industry



# Certifications & Excellence

ISO 9001

ISO14001

ISO45001



# theecopower

## Contact Us

Let's Power the Future Together

 [info@theecopower.com](mailto:info@theecopower.com)

 [www.theecopower.com](http://www.theecopower.com)

