

Camel 12V Technology and Roadmap

**Camel
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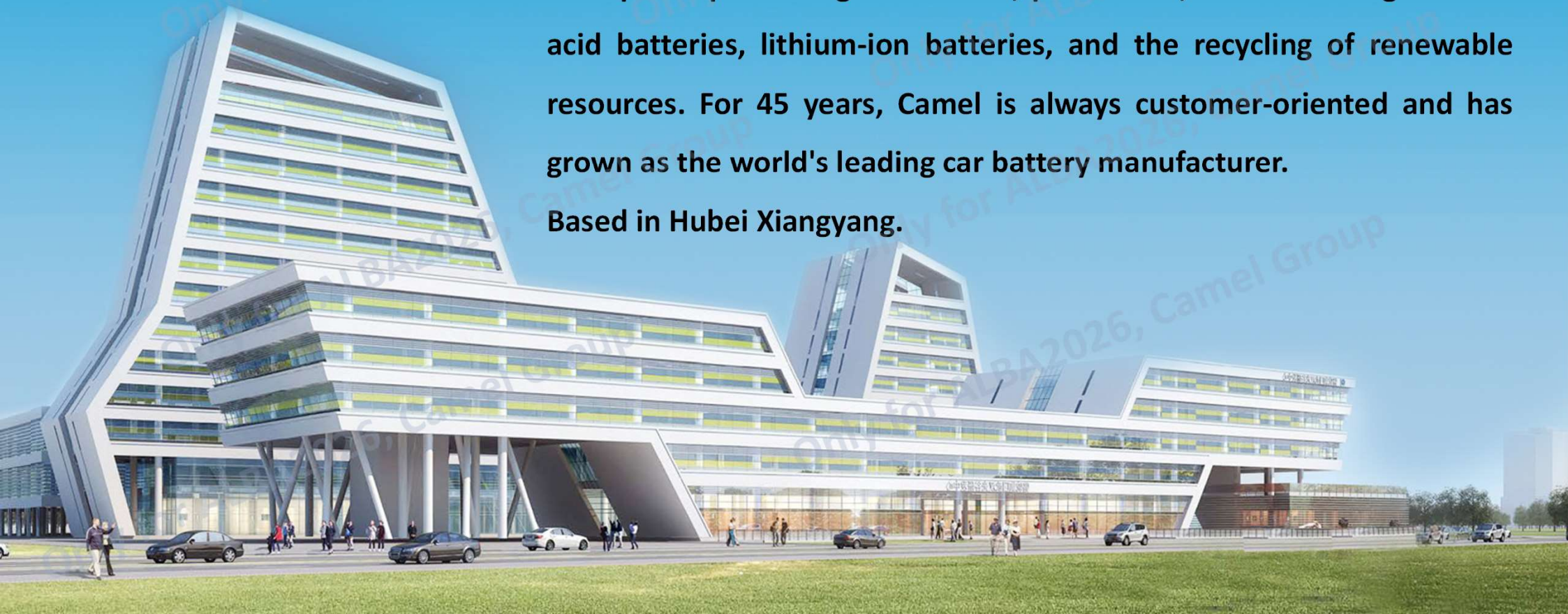


CAMEL

COMPANY PROFILE

Founded in 1980, Camel Group Co., Ltd. is an integrated high-tech enterprise specializing in the R&D, production, and marketing of lead-acid batteries, lithium-ion batteries, and the recycling of renewable resources. For 45 years, Camel is always customer-oriented and has grown as the world's leading car battery manufacturer.

Based in Hubei Xiangyang.





2.17bn \$ (10.8%↑)



Unique portfolio of
>1,200 patents

Global footprint with 1,900 distributors and 50,000+ terminal sale outlets, and over 200 OEM customers

across **the world**

- USA
- Canada
- Mexico

- Germany
- Hungary
- UAE

- China
- Singapore
- Malaysia
- Indonesia

Integrated product offerings across the battery value chain...



...powering global OEMs and aftermarket customers



7500+ employees
with unique battery knowledge

49%

OEM market share in China

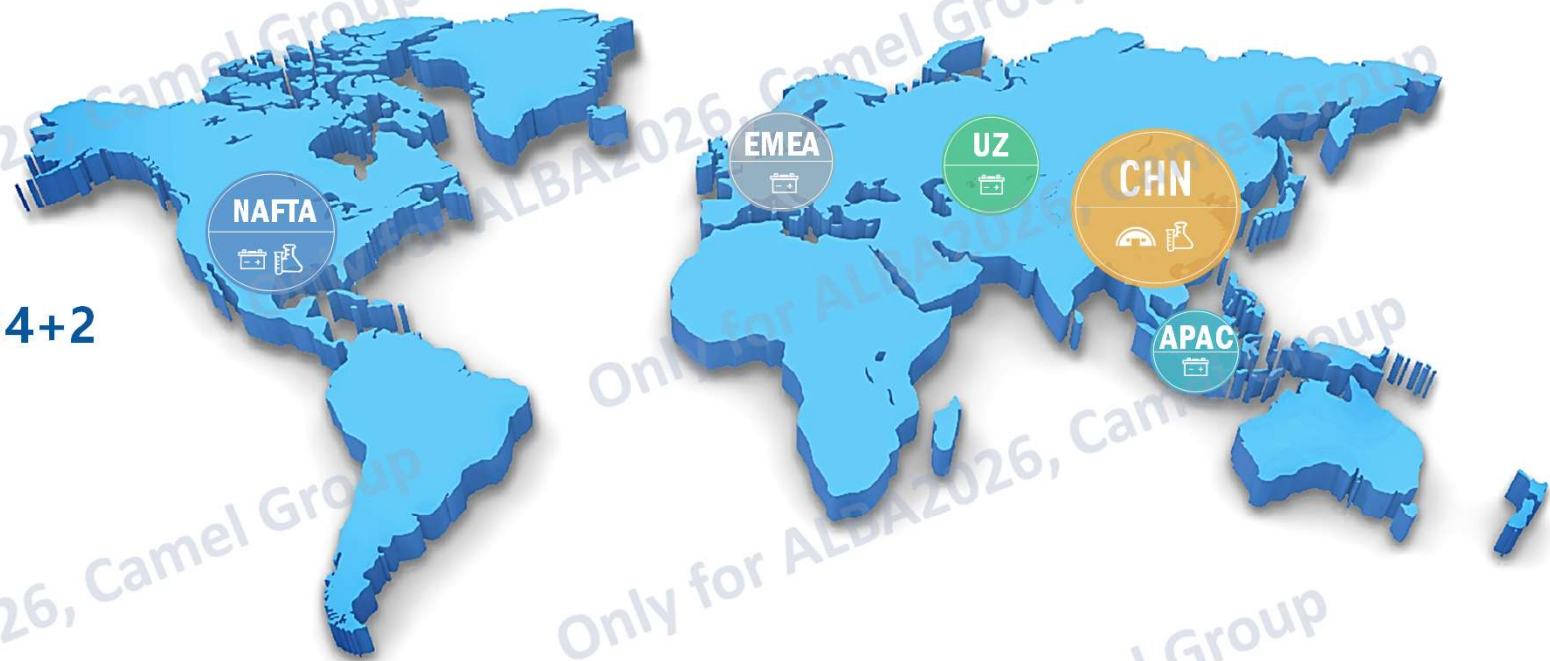
36%

Aftermarket share in China



Our MISSION:

Provide **green power**,
develop a **circular economy**,
and constantly **create a better
life for mankind**.



Global Footprint 10+7+4+2

Camel developed globally with over **30 subsidiaries**, covering the whole industry chain with R&D, production, sales, logistics and battery recycling.



10

Production Bases

(Xiangyang, Gucheng, Yangzhou, Wuzhou, Tokesun, Kuantan, Battle Creek, etc.)



4

R&D Centers

(Xiangyang-CN, Wuhan-CN, Michigan-US, München-Germany)



7

Overseas Sales Companies/Offices

Michigan (US), Düsseldorf (Germany), Dubai (UAE)
Kuala Lumpur (Malaysia), Jakarta (Indonesia)
Singapore City (Singapore), Tashkent (Uzbekistan)



2

Circular Systems

(Lead-acid, Lithium-ion)



Product Portfolio

Low-voltage Lead-Acid Battery



12V Powernet
Battery for Electrified
vehicle



Flooded Battery for
Commercial vehicle



12V SLI Battery



12V EFB S/S
Battery



12V AGM S/S Battery



AGM Battery for
Commercial vehicle

Lead-Acid Traction Battery



EVF Traction
Battery



Electric Tricycle
Battery



Golf Cart
Battery



Forklift
Battery

Low-voltage Li-ion Battery



12V
Li-ion
Battery
for xEV



24V
Li-ion
Battery
for xEV



48V
Li-ion
Battery
for xEV



LV Energy
Storage
System

Cells for e-Mobility



Pouch Cell



Prismatic
Cell



Cylindrical
Cell

Energy Storage Systems (ESS)



Commercial ESS



Residential ESS

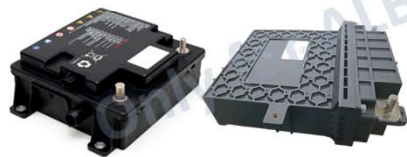


Portable ESS



Current Major 12V Li-ion Battery Products & Projects

Camel Main Projects with OEMs



12V 10 - 15Ah System



12V 20 - 30Ah System



12V 40 - 60Ah System





Current Major 12V Na-ion Battery Product & Application

NFPP



12V 40Ah System



12V 60Ah System

Start-Stop application (After market) - SOP 2026

NFPP



12V 20~30Ah System



Auxiliary application (OEM)
R&D

O3



12V 40~60Ah System

Start-Stop application (OEM)
R&D



Current Roadmap of 12V Products

80% Defender

- **Lead acid (AGM/EFB):** Economical, reliable, and robust

19% Challenger

- **Li-ion Battery (LFP):** The upgraded choice for high performance and light weight

< 1% Disruptor

- **Na-ion Battery:** Differentiated Disruptor: Defeating Extreme Conditions.

