



Brand Manual

Make life full of hope,
make the world better

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Since 2007



ABOUT US

Guangzhou Felicity Solar Technology Co., Ltd.

Founded in 2007 and headquartered in Guangzhou, China, we employ over 2,000 staff and occupy 85,000+ square meters. We integrate R&D, manufacturing, marketing, and sales, and have established localized warehousing networks, after-sales service centers, and overseas branches. We are a trusted provider with 19 years of industry expertise, offering off-grid and hybrid solar energy storage solutions for residential, commercial, and industrial needs.



VR Factory Tour

With a R&D team of over 400 professionals, a 3,000 sqm R&D center, and more than 10% of annual investment dedicated to technology development, we had secured over 170 patents in core technologies. Through our 50+ global branches, we connect with users across 150+ countries and areas, delivering a comprehensive product line that includes inverters, LiFePO4 batteries, all-in-one systems and solar controllers. We are committed to bringing hope and a brighter future to the world through solar energy technology, both now and in the future.



19

years Industry Expertise

170+

Patented Technologies

50+

Overseas Branches

150+

Countries & Regions Market

10%+

Technical Investment

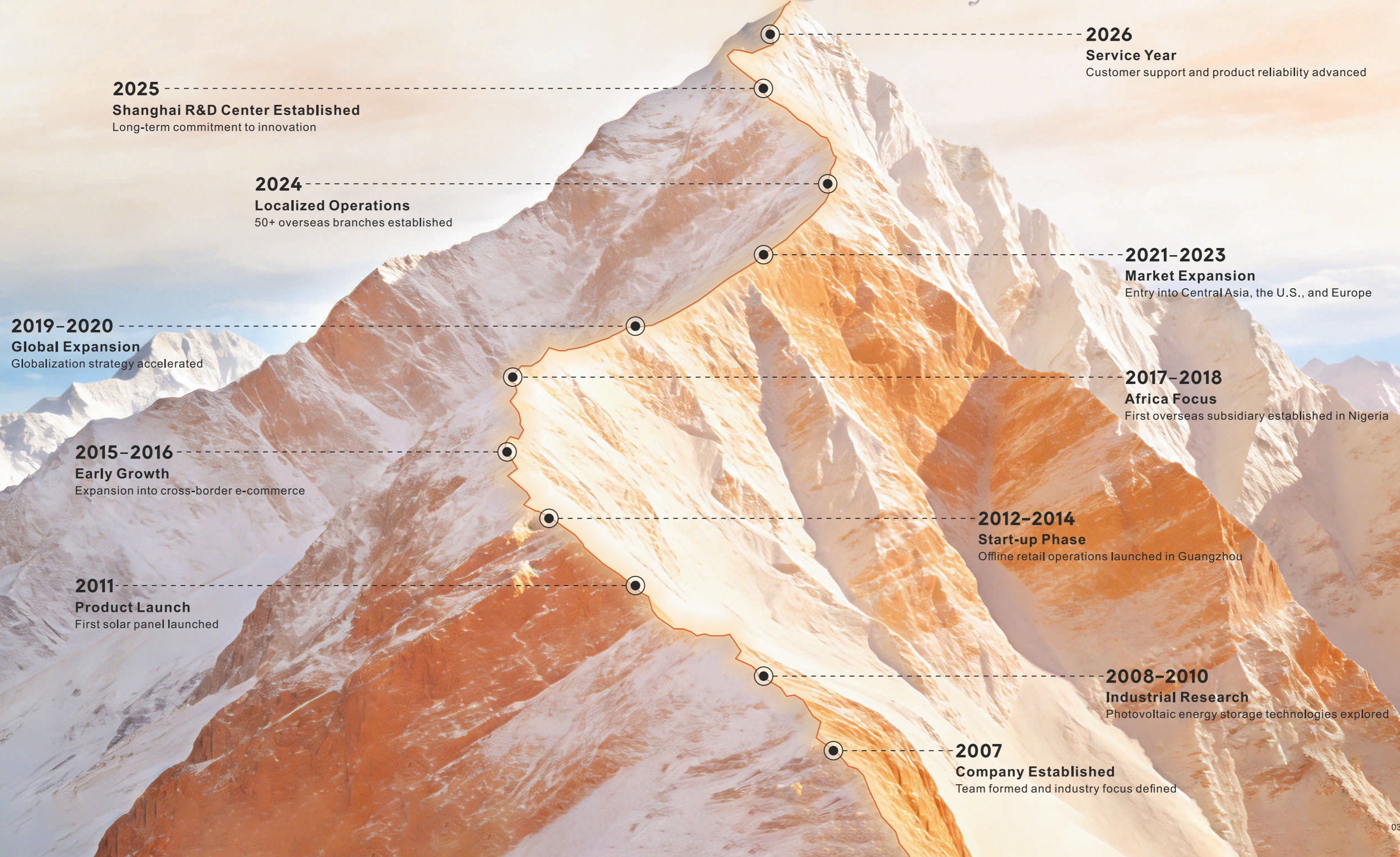
400+

R&D Teammates

FELICITYSOLAR



COMPANY HISTORY



2025
Shanghai R&D Center Established
Long-term commitment to innovation

2024
Localized Operations
50+ overseas branches established

2019-2020
Global Expansion
Globalization strategy accelerated

2015-2016
Early Growth
Expansion into cross-border e-commerce

2011
Product Launch
First solar panel launched

2012-2014
Start-up Phase
Offline retail operations launched in Guangzhou

2007
Company Established
Team formed and industry focus defined

2026
Service Year
Customer support and product reliability advanced

2021-2023
Market Expansion
Entry into Central Asia, the U.S., and Europe

2017-2018
Africa Focus
First overseas subsidiary established in Nigeria


2008-2010
Industrial Research
Photovoltaic energy storage technologies explored


WORLDWIDE BUSINESS PRESENCE

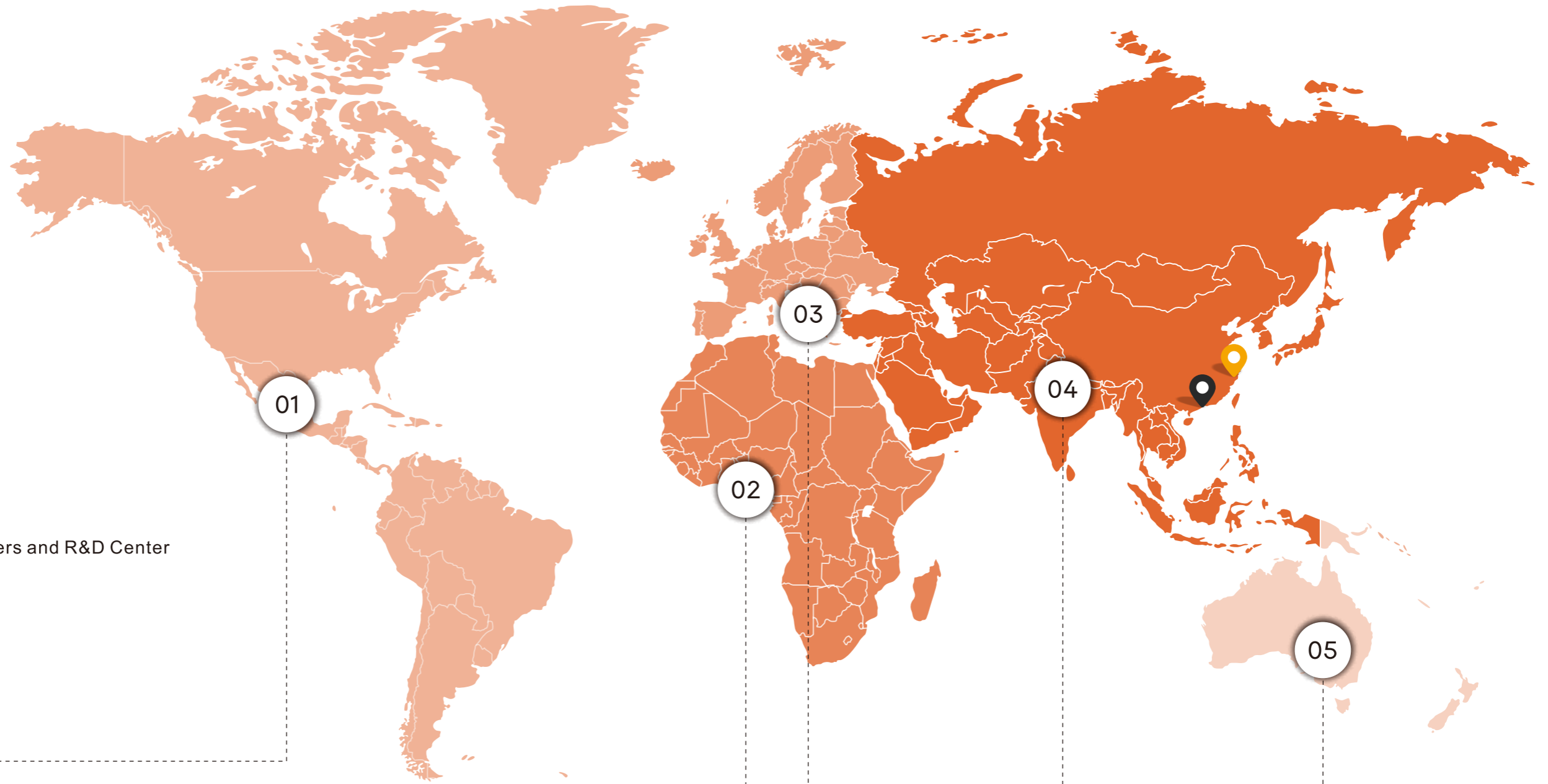
- G**reen power
- O**ne-stop solutions

- S**ervice first
- O**n-time support
- L**ocal service
- A**rea-focused
- R**eliable products



 Guangzhou Headquarters and R&D Center

 Shanghai R&D Center



01
the America

Market Coverage **35**
After-sales Centers **9**
Offline Stores **26**

02
Africa

Market Coverage **54**
After-sales Centers **37**
Offline Stores **118**

03
Europe

Market Coverage **44**
After-sales Centers **3**
Offline Stores **8**

04
Asia

Market Coverage **49**
After-sales Centers **21**
Offline Stores **46**

05
Oceania

Market Coverage **14**
After-sales Centers **1**
Offline Stores **4**

WHY CHOOSE US



Product Reliability

Regional Compatibility: adapted to different grid voltages across regions.

Functions: smart management, easy for after-sales servicing, simplified system setup.

Performance: high stability, safety, durability, and strong environmental adaptability.



Standardized Manufacturing

Smart Production: high-efficiency production lines with automated equipments.

Standardized Testing – strict testing procedures for product reliability.

Quality Management – comprehensive quality control guarantees high-standard products.



Pricing Policy

Stable Pricing – consistent pricing to support long-term cooperation.

Price Protection – safeguarding partner interests in the market.

Regional Protection – ensuring fair market competition within designated areas.



Local Service

Service Centers – fast, efficient, and professional after-sales support.

Offline Stores – face-to-face consultation and system recommendations.

Warehouses – sufficient inventory for fast and convenient delivery.

SUPERIORITY



INVERTER COMPATIBILITY LIST



Residential Solar Energy Storage Solutions

Off-grid & hybrid systems



Small to Medium C&I Solar Energy Storage Solutions



50kW System
Safe | Smart | Scalable



EUPD Research "Top Innovation Award 2025"

Large-Scale C&I Solar Energy Storage System



125kW System

Safe | Smart | Scalable

RESIDENTIAL OFF-GRID SYSTEM

Off-grid Inverter

IVEM / IVCM / IVAM / IVBM / IVDM / IVPM / IVPS Series



Low-voltage LiFePO4 Battery

FLA / LPBA / LPBF/HOPE Series



Remote Areas / Unstable Grid / Backup Homes

RESIDENTIAL OFF-GRID ALL-IN-ONE SYSTEM

AI Series

5kW / 8kW



Remote Areas / Unstable Grid / Backup Homes

RESIDENTIAL HYBRID SYSTEM

Low-voltage Hybrid Inverter

IVGM Series 6/8/10/12/14/15/16/18/20kW

Low-voltage LiFePO4 Battery

FLB / FLS Series



Europe / America / Australia / TOU / Smart Energy Saving

COMMERCIAL HYBRID SYSTEM

High-voltage Hybrid Inverter

IVGM Series 25/29.9/30/40/50/60/125 kW

High-voltage LiFePO4 Battery

FLH Series 96V/50Ah & 48V/100Ah/314Ah



Shops / Office / Farm / Factory



Shops / Office / Farm / Factory

C&I ESS CABINET

IVGM Series

Air Cooling, 50kW / 60kWh



Peak Shaving / Demand Control / Backup

Felicity Matrix Series

Liquid Cooling, 125kW / 261kWh

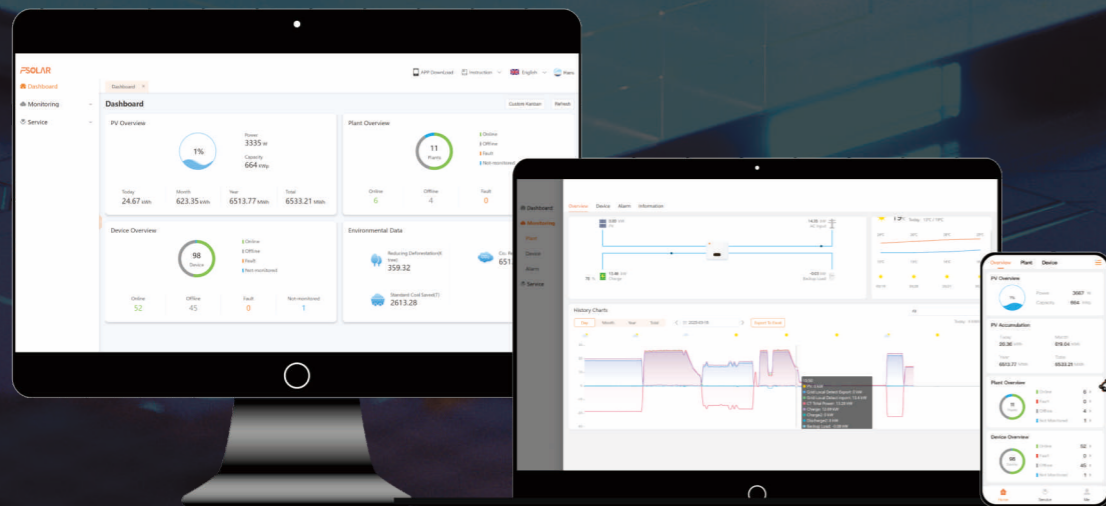


Peak Shaving / Demand Control / Backup

FSOLAR Smart Energy Management Platform



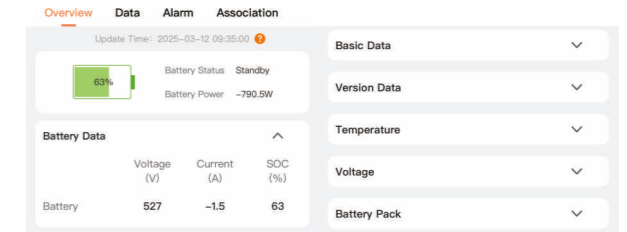
The FSOLAR smart energy management platform is designed to provide comprehensive monitoring, analysis, and management of your energy systems. It allows you to maximize energy efficiency, optimize usage, and enhance system performance.



1. Real-time Data Insight

- Track daily, monthly, yearly and cumulative energy generation of all systems and individual units.
- Access battery pack details, including current, voltage, SOC, etc.

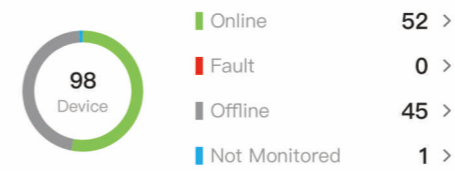
PV Overview



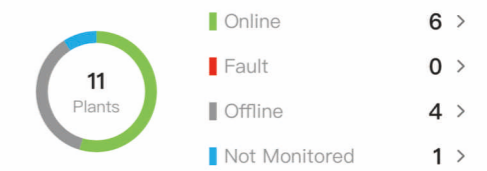
2. System and Device Status Monitoring

- Real-time devices status: online, offline, faulty, or unmonitored.
- Easily identify the current health and operational status of your system.

Device Overview

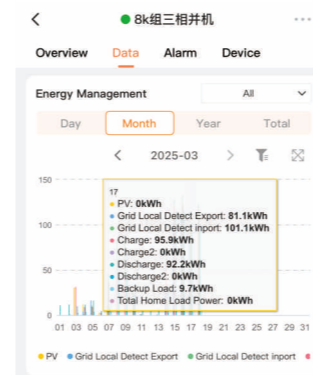


Plant Overview



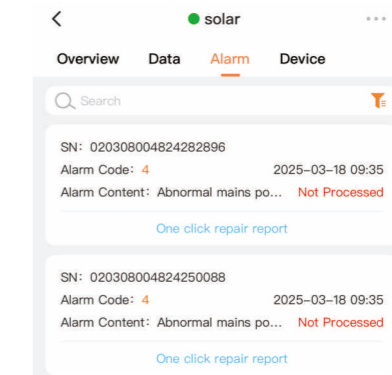
3. Historical Data Analysis

- Use data insights to optimize energy usage and improve efficiency.
- Export historical data for further analysis and record-keeping.



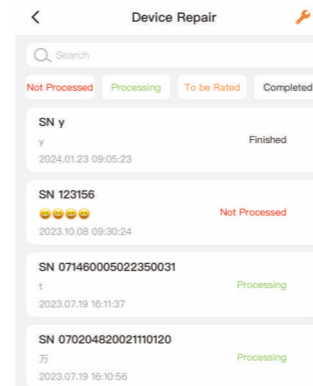
4. Immediate Alerts for Abnormal Situations

- Receive instant alerts for system malfunctions or abnormal conditions.
- Take immediate actions to prevent potential losses and downtime.



5. After-Sales Support

- Submit a request, and our support team will reply within 12 hours, offer solution within 24 hours.
- Local service points deployment for fast on-site inspection and repair services.



6. Open API

- Comprehensive Data Access: battery SOC, temp, device status, etc.
- Real-Time Monitoring & Alerts: empower third-party devices to build dynamic dashboards for live insights and configure automated alert.

APP Download



USER CASES

Residential Solar Energy Storage System



Guinea
» House » 24kW+52.5kWh



Yemen
» House » 24kW+30kWh



Senegal
» Office Building » 40kW+125kWh



South Africa
» Office » 24kW+15.36kWh



England
» House » 5kW+5.12kWh



Thailand
» House » 20kW+45kWh



Saudi Arabia
» House » 15kW+45kWh



Senegal
» Villa » 24kW+60kWh

USER CASES

Small to Medium C&I Solar Energy Storage System



Mali Paper Mills
➤➤ 150kW+184.32kWh



Iraq Warehouse
➤➤ 100kW+245.76kWh



Nigeria Small-size Factory
➤➤ 50kW+122.88kWh



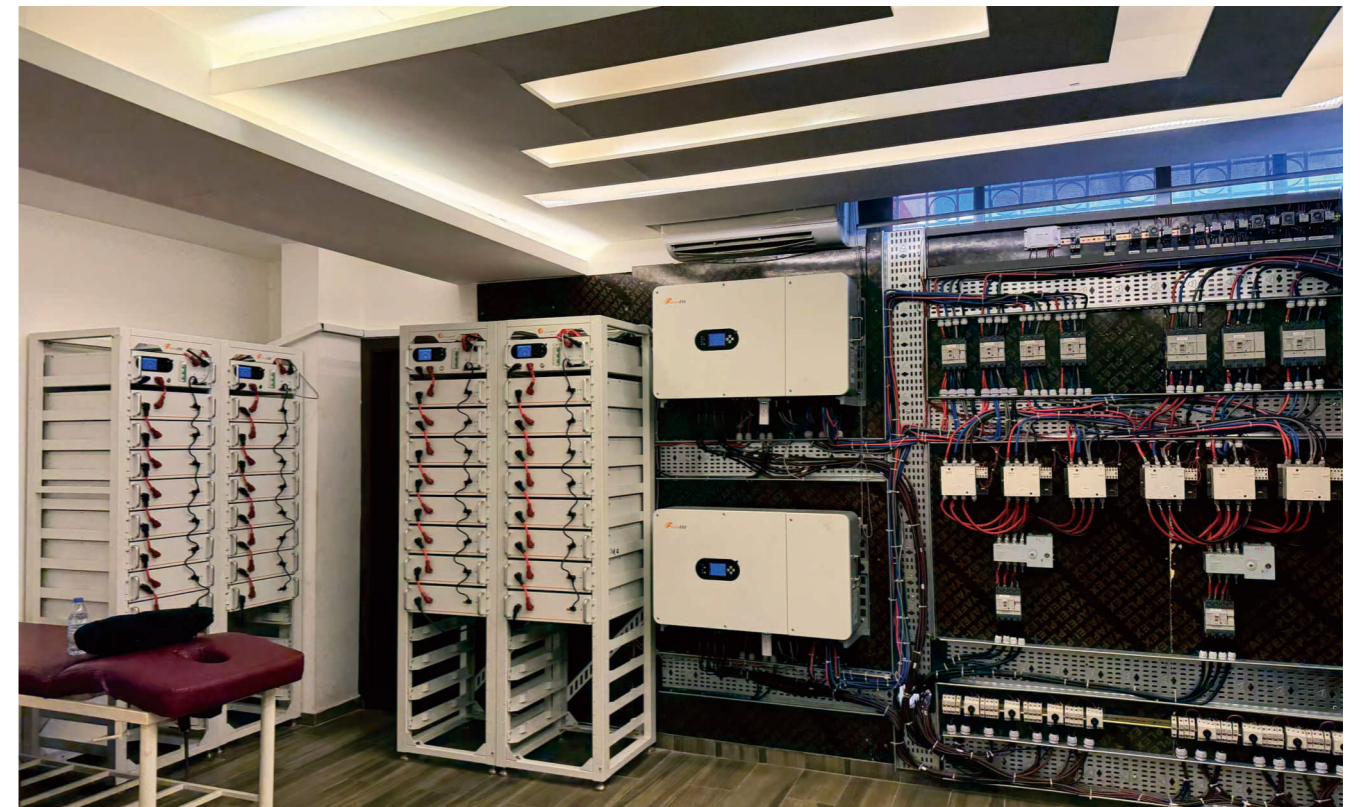
Poland Warehouse & Office
➤➤ 100kW+122.88kWh



South Africa Hardware Store
➤➤ 100kW+122.88kWh



Thailand Entertainment Center
➤➤ 300kW+720kWh



Mexico Hotel
➤➤ 100kW+163.84kWh

USER CASES

Large-size C&I Solar Energy Storage System



Burkina Faso

- Farm
- 100kW+215kWh



China

- Industrial Park
- 1MW+2.33MWh