

LuckEner
A LUTIAN Company 605259.SH

RELIABLE ENERGY FOR ALL

LuckEner Brand Profile



LinkedIn



Facebook



Instagram

www.luckener.com



About us

LückEner

National Enterprise Standard Leader

Leading the machinery industry with green engine innovation

Founded in 2002, Lutian Corporation is a national high-tech enterprise specializing in the R&D, production and sales of PV & ESS, engine products and pressure washers. It was listed on the main board of A-share of SSE in 2021 with stock ticker 605259, becoming the first stock in China's pressure washer industry, and also the company drafting national standards.

300,000 m²
Manufacturing Base

2,500+
Employees

120+
Global Markets

USD 360 Million
2025 Revenue

Lutian Reached a New Milestone

Successfully Listed on the Main Board of the Shanghai Stock Exchange

On June 15, 2021, Lutian Machinery Co., Ltd. was successfully listed on the Main Board of the Shanghai Stock Exchange, stock code 605259.

The bell-ringing ceremony marked a major milestone in the company's development and highlighted the market's recognition of Lutian's innovation, manufacturing strength, and long-term growth potential.



Listing Date

June 15, 2021



Exchange

Shanghai Stock Exchange



Stock Code

605259



Milestone

Main Board Listing



We are LuckEner

To Become a Customer-Favorite Provider of Smart Energy Solutions

LuckEner is a brand powered by Lutian, dedicated to advancing green energy solutions and driving global energy transformation.

With next-generation technologies and deeply localized design, we create high-performance energy solutions that deliver steady performance, cost savings, and peace of mind.

Our mission is to provide reliable, affordable, and intelligent energy systems that truly improve people's lives.

4

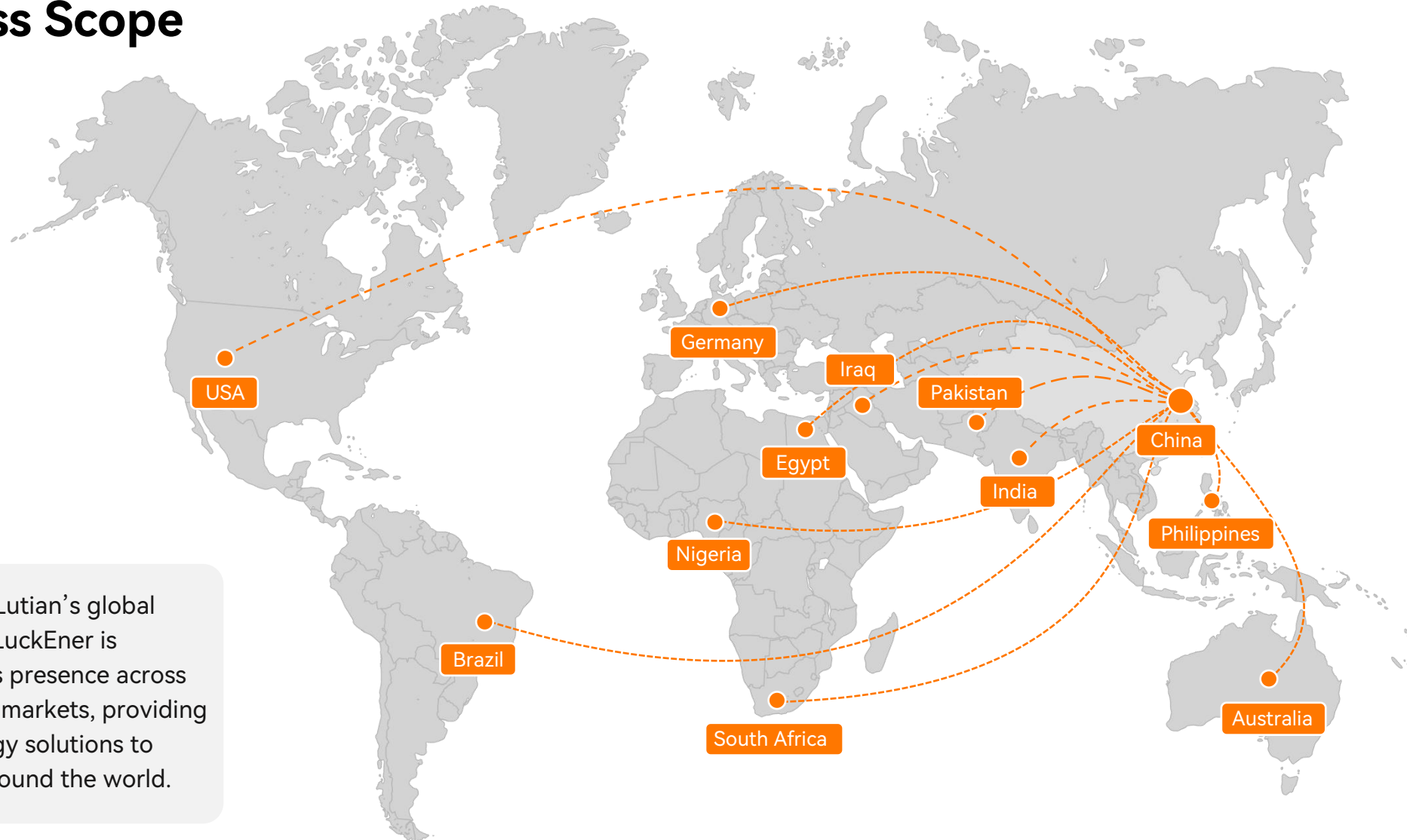
R&D Centers

300+

R&D Experts

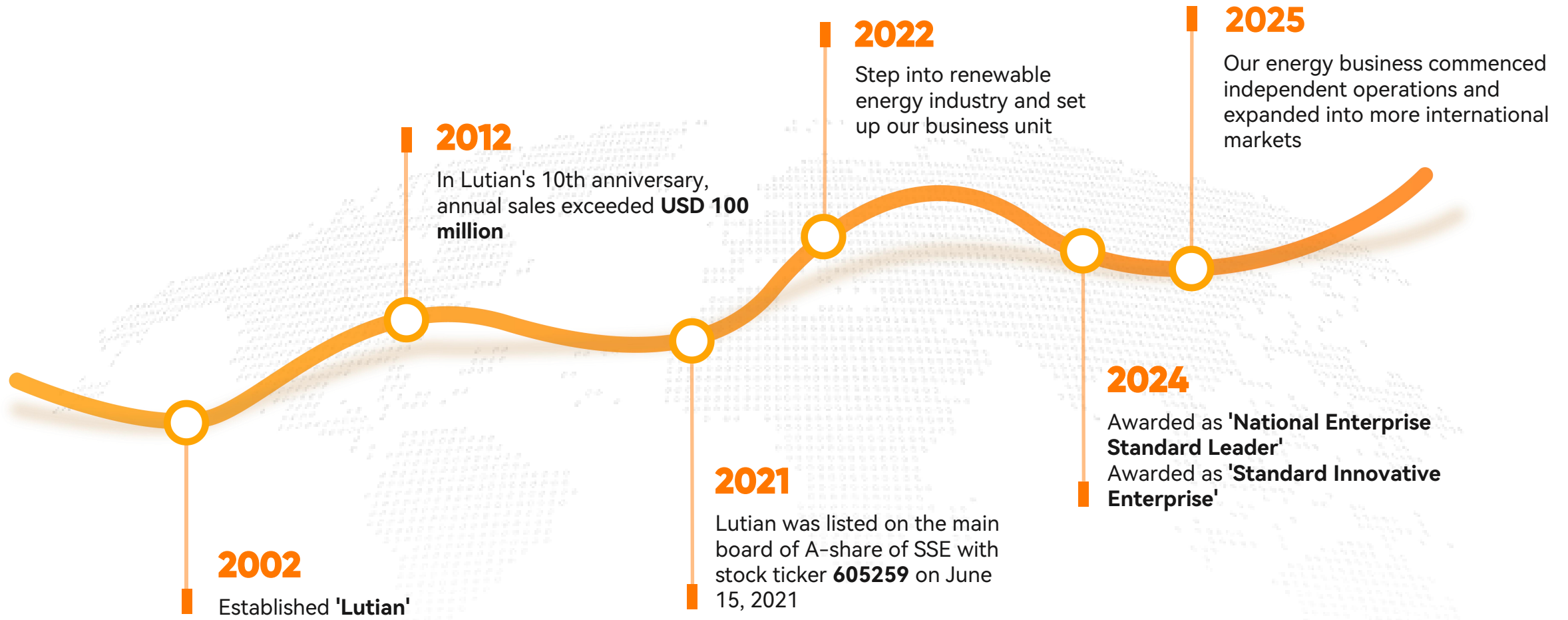


Business Scope



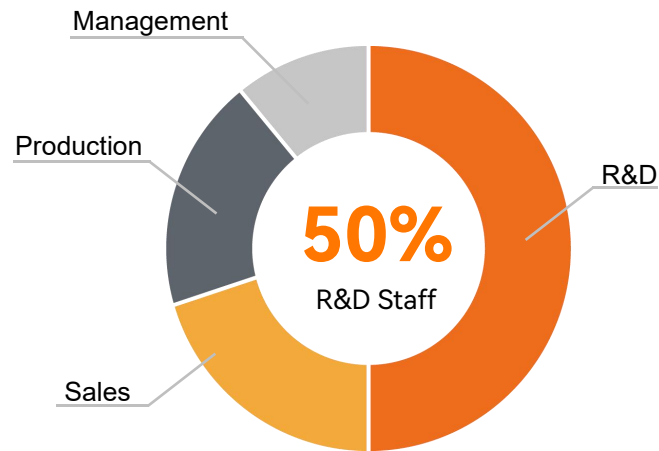
Powered by Lutian's global capabilities, LuckEner is expanding its presence across international markets, providing reliable energy solutions to customers around the world.

Milestones of Growth



R & D Staff

The R&D staff account for **50%** of the total number of employees



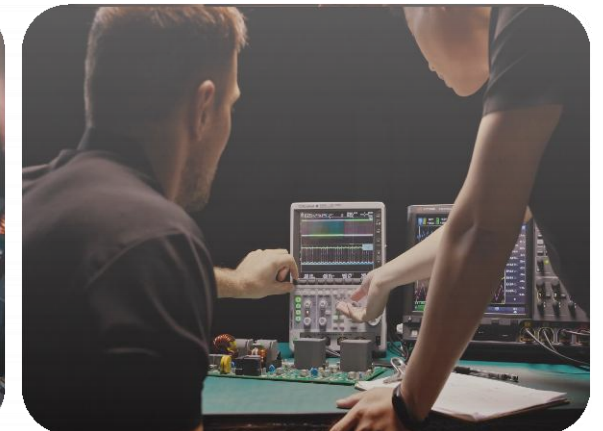
We focus on recruiting and cultivating innovative talents, With personnel holding master's degrees or above account for 70% of the team. Our core R&D staff are from top industry enterprises. Through long-term industry-university-research collaboration with Soochow University, we create a superior research environment and professional team to support high-quality product R&D.



50%
R&D Staff



70%
Master's Degrees or Above



Research & Innovation Platform

Industry-Leading Testing Center

LuckEner has built a powerful research and innovation platform, an industry-leading testing center, and a professional EMC laboratory that enables rigorous electromagnetic compatibility testing and reliable product validation.

Through advanced facilities and expert engineering, we ensure our products deliver uncompromising reliability, safety, and performance — meeting the highest standards in every operating condition.



Smart Production Management

Integrated ERP + SAP + MES System

The ERP+SAP+MES intelligent managementsystem improves delivery efficiency and accuracy, enabling efficient digital operation of the enterprise.



Product Quality Control

Full-Process Quality Management



01 R&D

Strict implementation of design standards and multiple rounds of reliability testing to build a strong product-quality foundation.



02 Incoming Materials

All materials are 100% inspected or sampled according to AQL, in compliance with ISO 9001.



03 Manufacturing

Full-process control covering SMT, component insertion, welding, assembly, conformal coating, and testing, with key processes under 100% control.



04 Finished Products

Full inspection, aging, and sampling to ensure every unit is qualified.



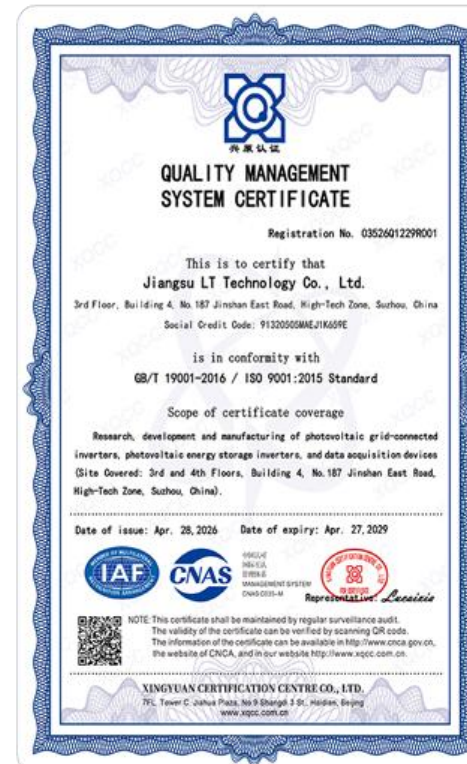
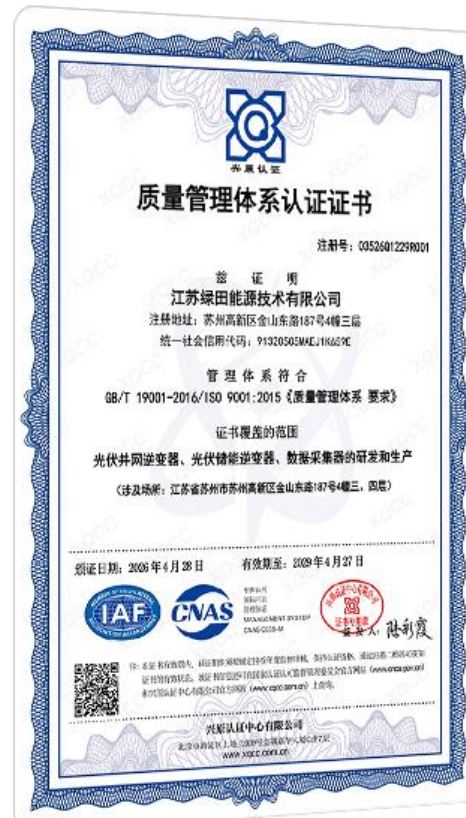
05 Shipment

Appearance, nameplate, serial number, interfaces, communication, and packaging are inspected. Shipment proceeds only after AQL sampling and third-party or customer inspection approval.



06 After-Sales

A complete lifecycle after-sales system supported by overseas service networks for rapid response.



About us

LUCKENER

Awards & Patents

10+ National Honors

15+ Provincial Honors

116+ Invention Patents



Product Certification

Grid Code Complied

All ready for sale



Manufacturing Capabilities

Powered by advanced process technology and intelligent automation.



Reliable quality



Higher efficiency



Consistent stability

9.2 GW / Year

Inverter Capacity

6 GWh / Year

Battery Capacity

Why Choose LuckEner

01 Core Technologies

- High-efficiency SiC devices
- Smart control algorithms
- Optimal performance & reliability



02 Energy Storage

- Modular & scalable architecture
- Flexible On/Off-grid & hybrid
- Integrated VSG technology



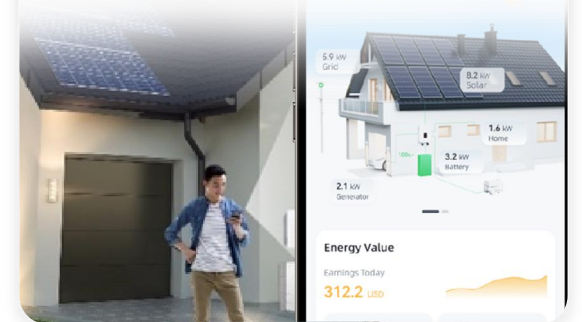
03 Grid Integration

- High renewable penetration
- Enhanced weak-grid resilience
- Global certification compliance



04 Smart Energy

- AI-driven energy management
- Dynamic pricing strategies
- VPP-integrated value maximization



One-Stop Solution for Your Home

Residential ESS Solution

Residential PV Solution

C&I ESS Solution

C&I PV Solution

Monitoring & APP



Residential ESS Solution

Our Features



'4.3' Colorful Touch Screen



200% Overload Capacity (10s)



On/off-grid switching <10ms



Max. 240A Charge/Discharge

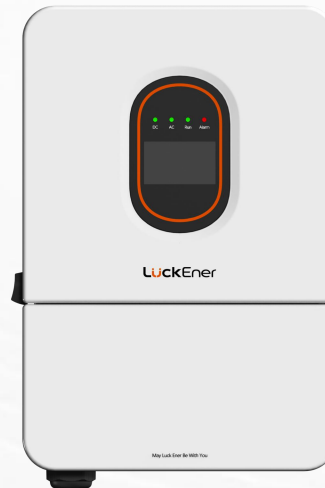


Compatible with the Latest High-Power Modules



IP66 Protection

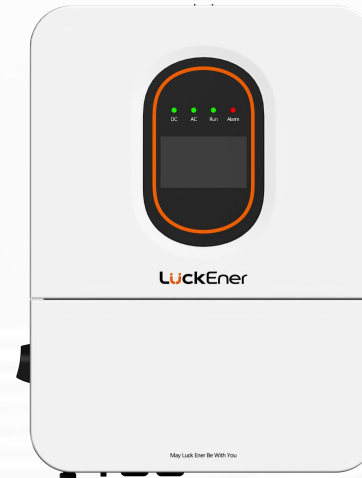
Residential ESS Product Series



Single Phase
Hybrid Inverter

Ei.H 8~12kW (Low Voltage)

Ei.H 3~8kW (Low Voltage)



Three Phase Hybrid
Inverter

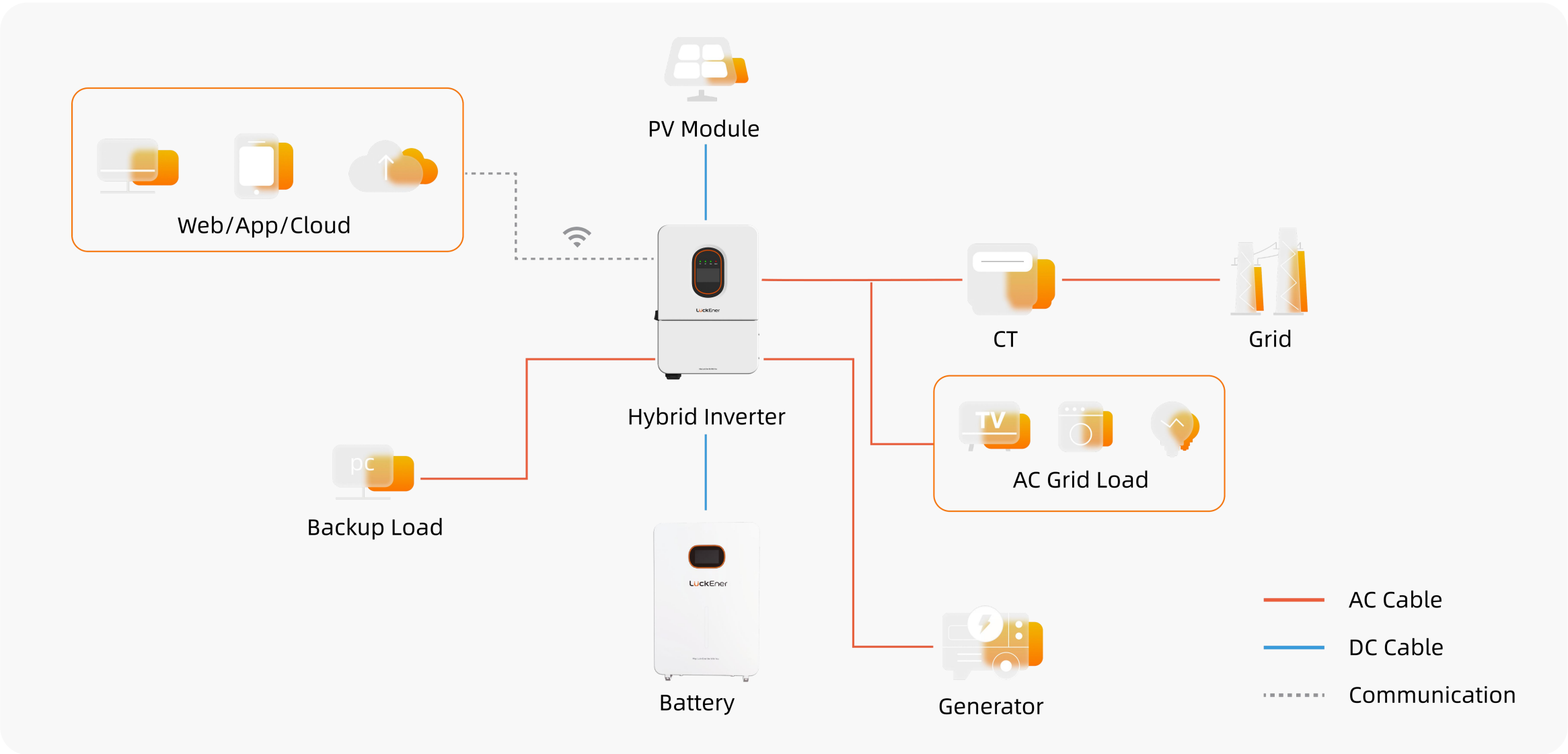
Ei.H 3~26kW (Low Voltage)



Energy Storage
Battery

Bt 5~32kWh (Low Voltage)

Residential ESS Solution



Residential PV Solution



Our Features

150%

Max.150% DC/AC ratio



110% continuous overload
output capability



Built-in Type II surge
protector



Ultra-wide input voltage
range

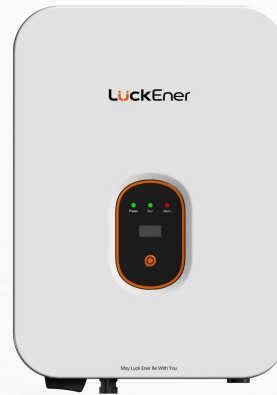


Compatible with the Latest
High-Power Modules



IP66 Protection

Residential PV Solution



Grid-tied Inverter
Gi Series 1P

Gi 1~6kW

Gi 4~10kW

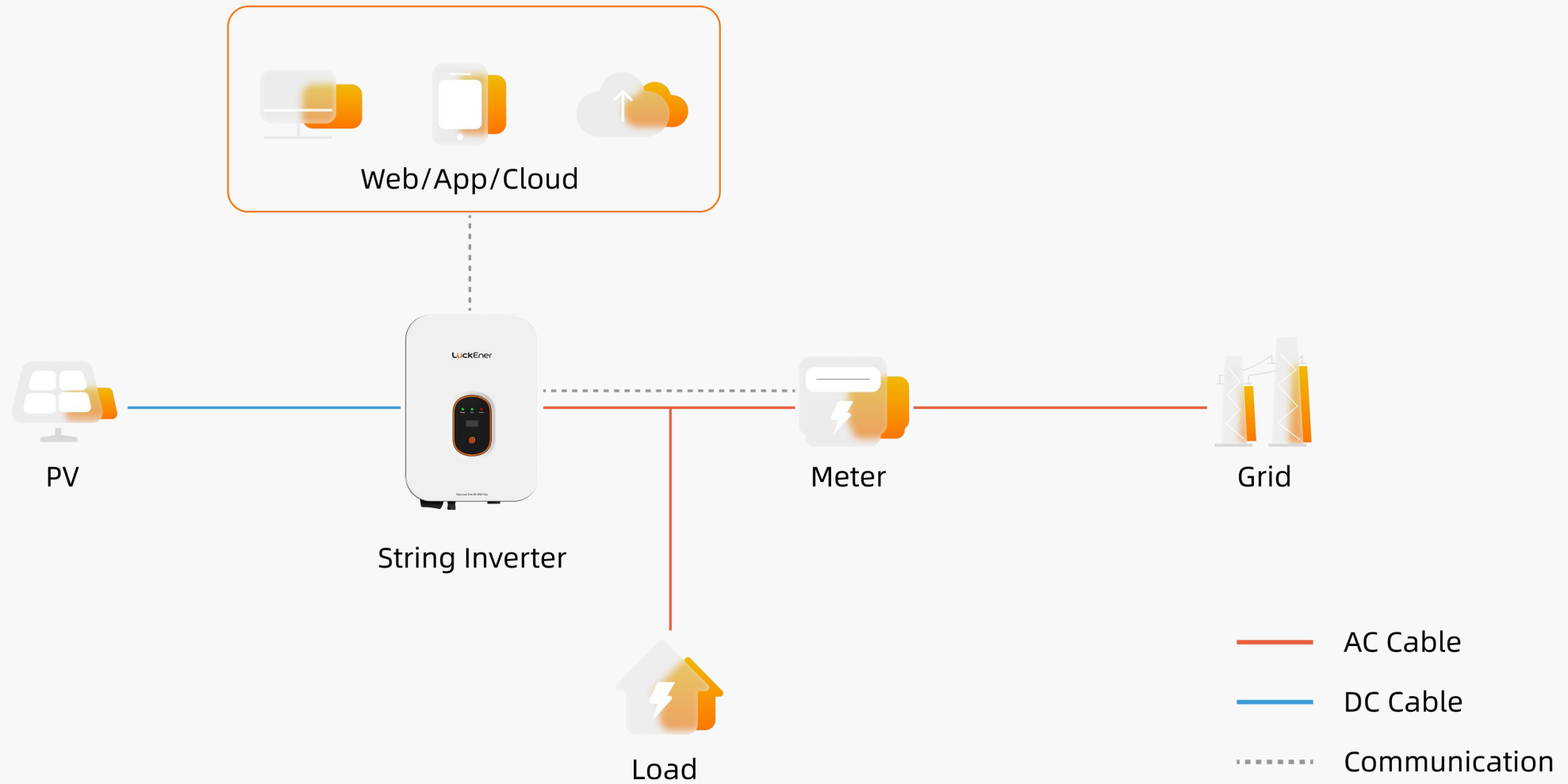


Grid-tied Inverter
Gi Series 3P

Gi 3~17kW

Gi 20~25kW

Residential PV Solution



C&I ESS Solution



Our Features

200% Max.200% DC/AC ratio

150% 150% power output (off-grid)

On/off-grid switching $\leq 10\text{ms}$

80A Max.80A*2 Charge/Discharge

System Efficiency and Stability Optimization

Supports multiple energy sources including PV and diesel generators

C&I ESS Product Series



Hybrid Inverter
Ei.H Series

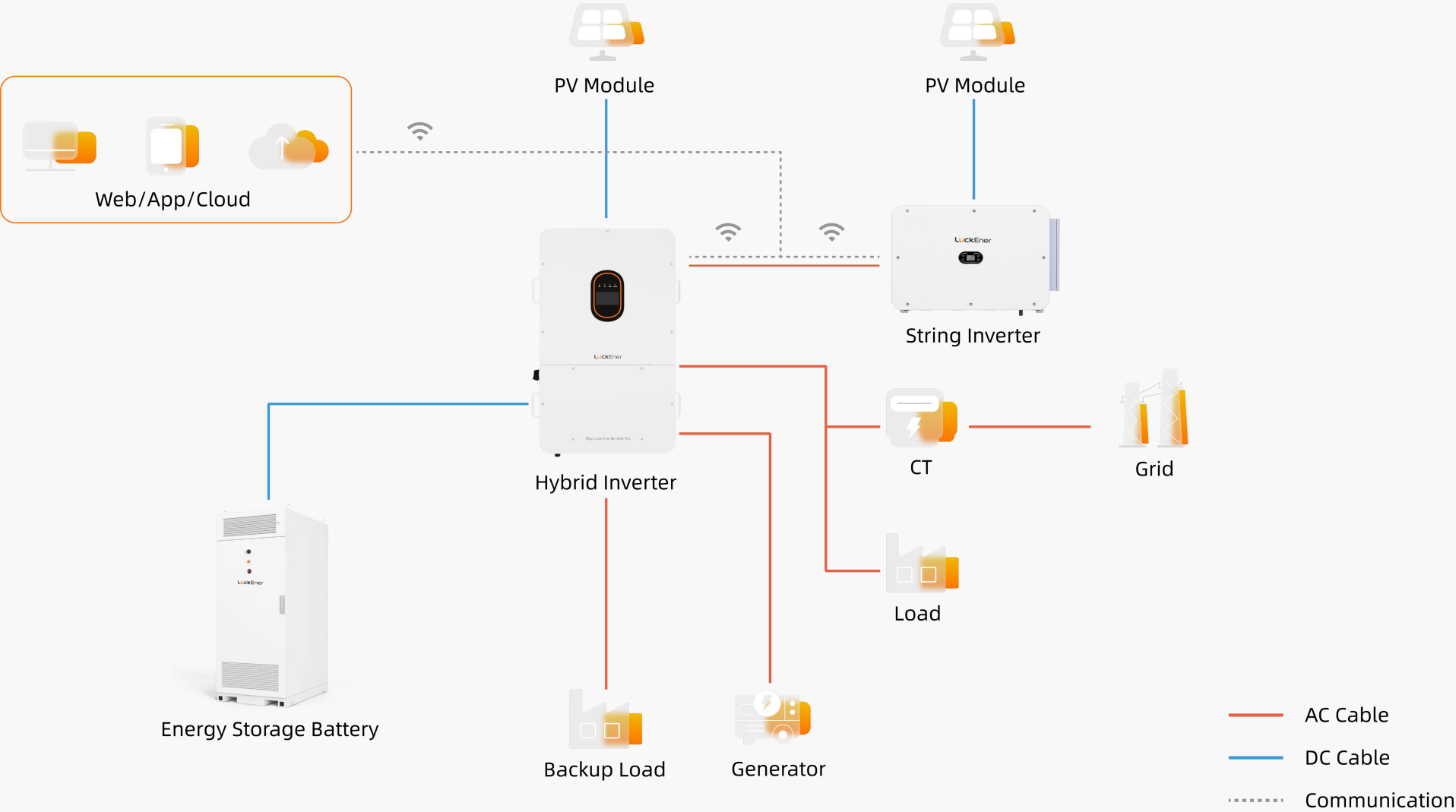
Ei.H 20~65kW (High Voltage)



Energy Storage
Battery

100kWh~261kWh (High Voltage)

C&I ESS Solution



C&I PV Solution



Our Features



I-V Curve Detection
Multi-Peak Scanning



Supports PID Prevention
and Repair



Sub-second Data Refresh



3 MPPTs, Compatible with
1.5x PV/inverter ratio and
1.1x Overload Output



Compatible with The Latest
High-Power Modules



AC/DC Level 2 Lightning
Protection Design

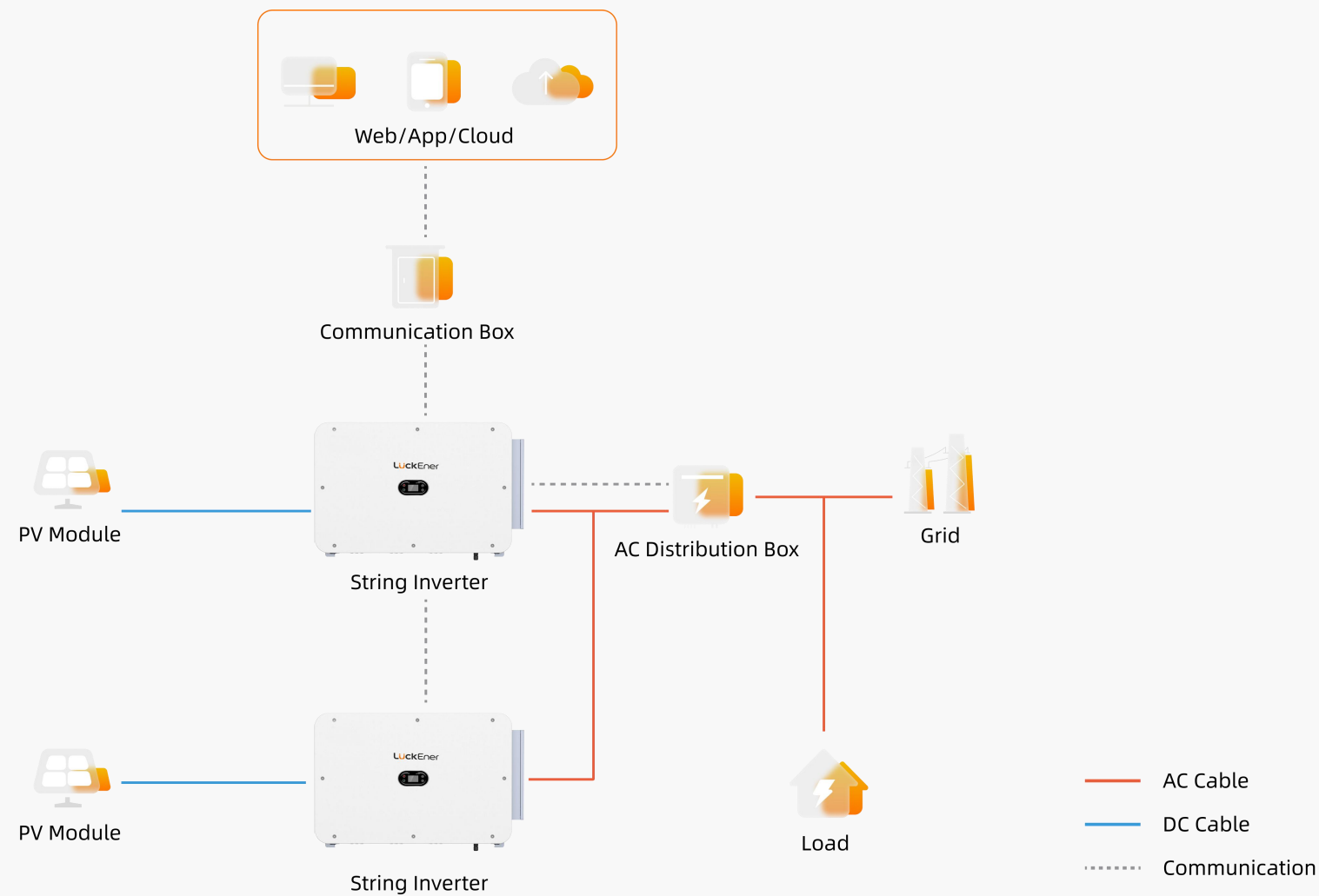
C&I PV Product Series



Grid-tied Inverter Gi Series

Gi 30 ~ 33 kW **Gi** 80 ~ 125 kW
Gi 40 ~ 60 kW **Gi** 150 kW

C&I PV Solution



WIFI/4G Dongle



Plug-and-play

- No complex wiring
- Quick and easy installation



Multiple communication options

- Flexible adaptation to different network & applications



Stable and reliable communication

- Continuous data transmission
- Stable system monitoring

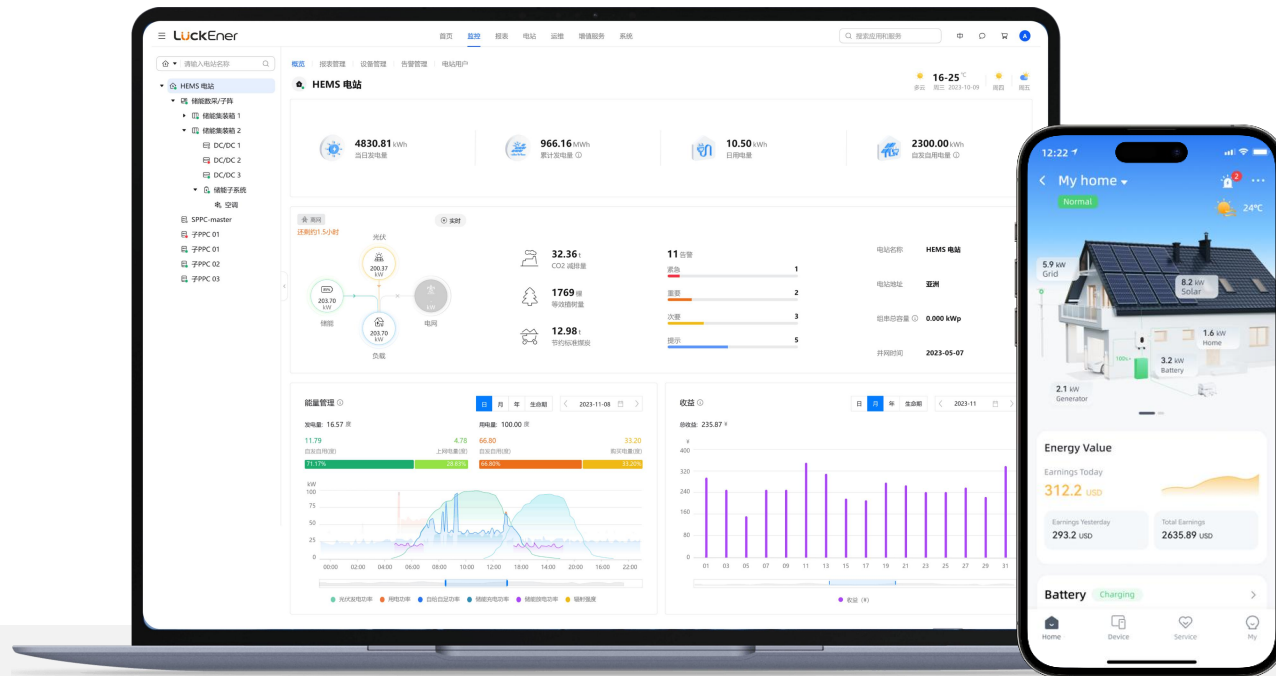


Remote monitoring

- Real-time data upload
- Remote O&M management



Smart Energy Management Platform



System Features

Supreme Experience

- Rapid site setup and device binding
- Regionalized operations
- Tiered management

Safe and Efficient

- Intelligent fault alerts
- Online IV curve diagnostics
- Multi-dimensional real-time

Multi-scenario Adaptation

- Remote device control and parameter configuration
- Support local Bluetooth and Wi-Fi connection

After-sales Service

Warranty Policy



5 Years
Standard



Up to 10 Years
Extendable

Long-term Service Strategy



Local based Service
Warehouse、Service Partner / Engineer



HQ Oriented Support
R&D & Expert Backup

Service response



7*24H
Response



< 48 Hours
Solution Provide



< 72 Hours
Issue Closure



Ei.H012KL
-A1.34-P1NV-L

 12 kWp
16 kWh

 Quezon City, Philippines



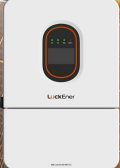
Ei.H010KL
-A1.23-P1NV-L

 8 kWp
16 kWh

 Malolos, Philippines







Ei.H008KL
-A1.22-P1NV-L

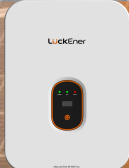


6 kWp
10 kWh



Rizal, Philippines





Gi010K
-A1.33-P1NV-L



8 kWp



Bangkok, Thailand

2026

**Q1**

- Three-phase On-grid Inverter **3-17** kW
- Low Voltage Battery **5-32** kWh

**Q2**

- Three-phase Low Voltage Hybrid Inverter **3-26** kW
- Three-phase High Voltage Hybrid Inverter **20-65** kW

**Q3**

- Single-phase Low Voltage Off-grid Inverter **3-12** kW
- Monitoring Platform V2.0
AI Assistant, Dynamic Pricing, VPP, HEMS

**Q4**

- Residential All-in-one ESS
- Three-phase Grid-tied Inverter **30-60** kW

2027

**H1**

- C&I Energy Storage Battery **100-261** kWh

**H2**

- C&I Hybrid Inverter **125** kW
- C&I Grid-tied Inverter **150** kW

THANK YOU



E-mail

sales@lt-ess.com



Add

Suzhou, Jiangsu, China



LinkedIn



Facebook



Instagram

www.luckener.com

