PRODUCT MANUAL

Tianchang Martin Trading Co.,Ltd.

ENERGY STORAGE SYSTEM, HYBRID INVE
RTER & MAGNETIC COMPONENT SOLUTIONS

2026



Product Line ① Residential and Industrial LiFePO4 Battery

LiFePO4 low-voltage energy storage system, safe and stable for high-temperature climates





Application

Home Rooftop solar energy storage for home

C&I Commercial & industrial backup power

Off-grid Off-grid power supply for remote areas

Features

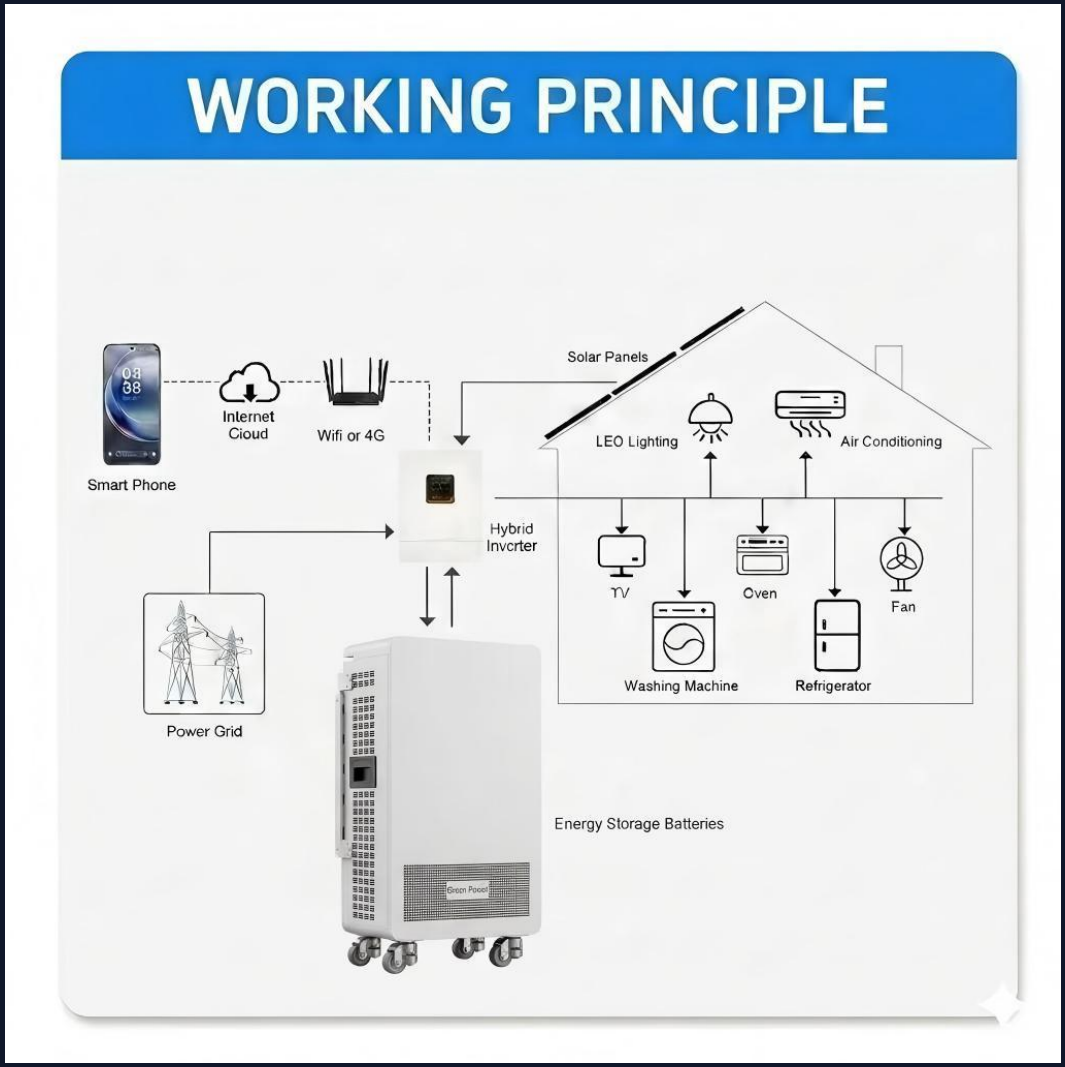
Safe **Safe and stable**, well-adapted to high-temperature climate

Compatible Compatible with single / three-phase hybrid inverters

US Ver. US standard voltage version available

Battery Features and Technical Options

Smart built-in BMS with multi-protection for reliable operation



Smart built-in BMS with multi-protection: over-charge, over-discharge, over-current & high temperature protection

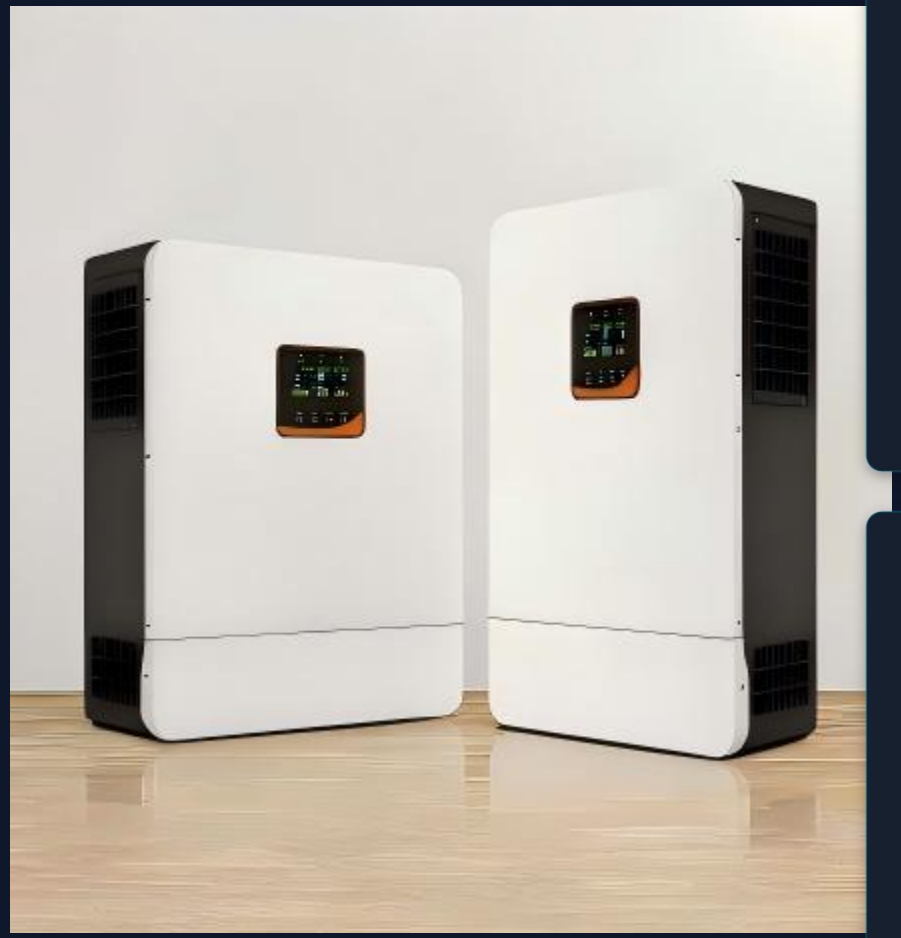
Optional communication: Wi-Fi / Bluetooth. Support TCP/IP, DTU for remote monitoring

Modular design, easy capacity expansion, convenient for transport & installation

Excellent cycle life, stable performance in hot tropical environment

Product Line ② Single or Three Phase Hybrid Inverter

Single / three phase hybrid inverter, perfectly matched with our LiFePO4 batteries



Application

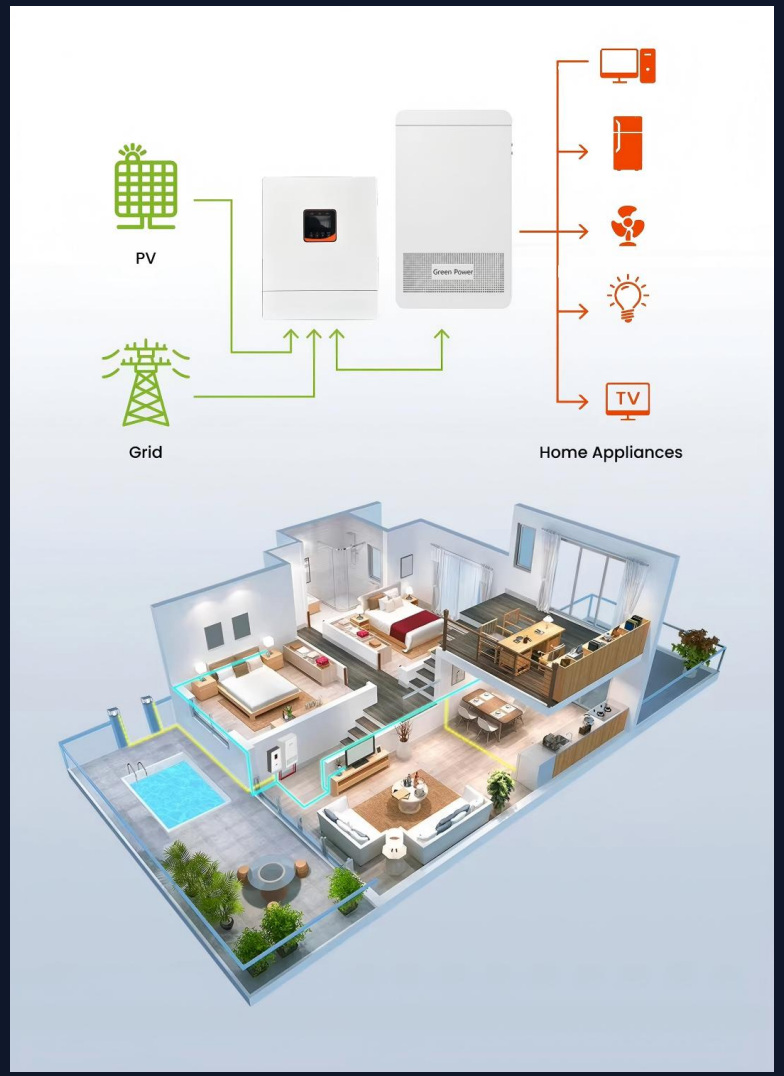
- **All-in-one solar & storage system**
  for households
- **Commercial PV storage**
  backup power
- **Grid-tied & off-grid dual mode**
  fit Southeast Asia power grid

Features

- **US / CN standard versions**
  optional
- **Perfectly matched**
  with our LiFePO4 batteries for complete package supply
- **Full protection functions**
  stable operation under high temperature

Inverter Performance and Complete Solution

One-stop package: inverter + battery for convenient procurement



Solar priority control

Maximize **solar power utilization** and reduce electricity cost

Auto backup switch

Once **grid failure**, switch to backup power to guarantee **continuous power supply**

Parallel connection

Support parallel connection for **large commercial loads**

One-stop package

Inverter + battery, **convenient procurement** for partners

Product Line ③ Ferrite Cores and Plastic Bobbins

Various ferrite cores & matching plastic bobbins for power devices







Core positioning

High-precision ferrite cores and transformer bobbins — the essential upstream components for local manufacturing.

- **Low loss** performance with consistent quality across every batch
- Reliable **flame retardant performance** for demanding applications
- Fully meets the manufacturing requirements of **inverters, switching power supplies and high-frequency transformers**

Transformer and Complete Solution



Products

Various soft ferrite cores

matching plastic bobbins make for various transformers

Application

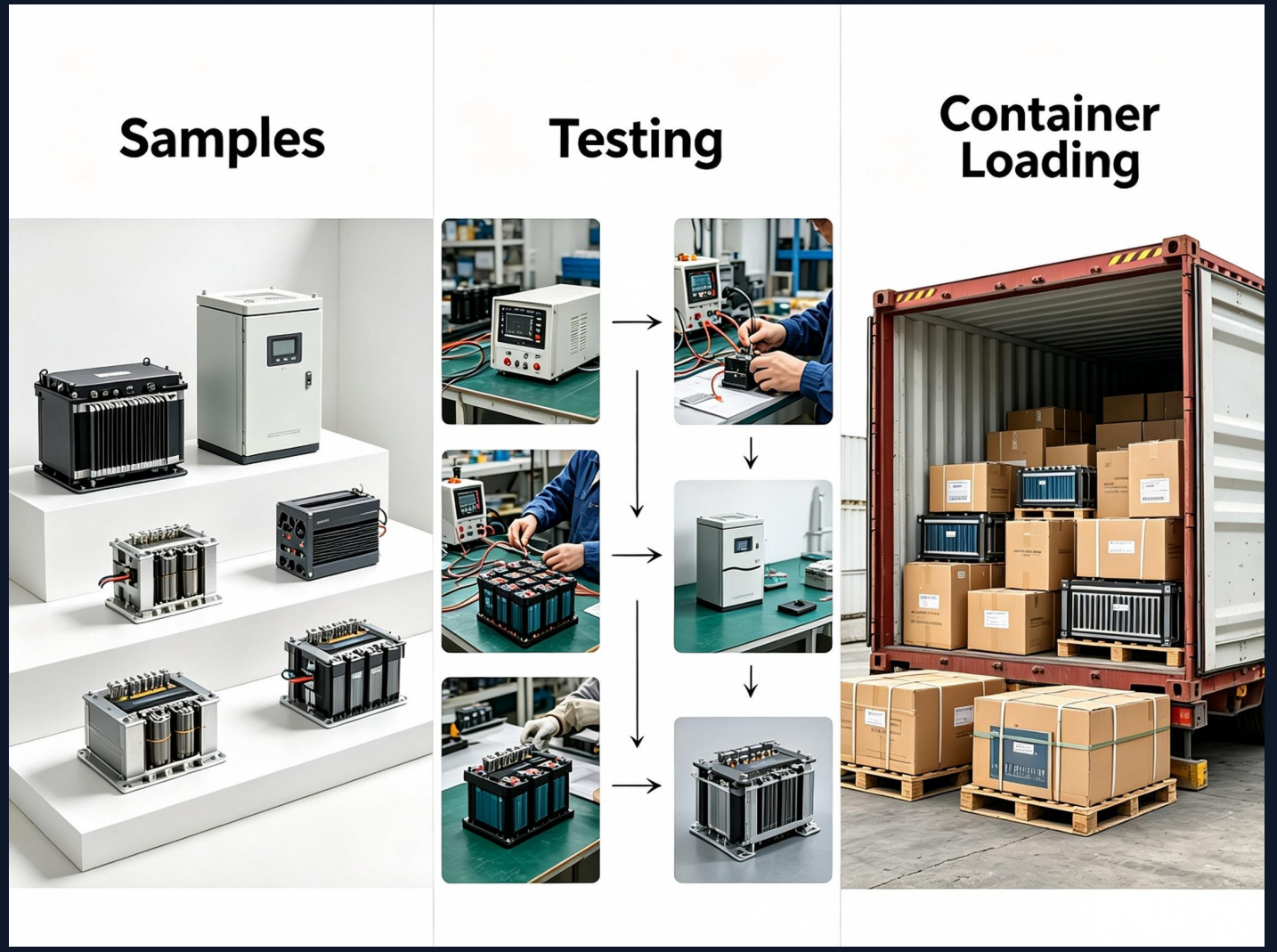
- Energy storage hybrid inverters
- Switching power supplies
- High-frequency transformers & inductors

Our Core Advantages

One-stop supplier with proven overseas performance across three product lines

Our Core Advantages

- One-stop supplier covering **3 product lines**: LiFePO4 battery, hybrid inverter, magnetic components
- Proven overseas performance: complete storage projects in **Middle East**, magnetic components for **Europe**
- Support sample test and **customized development**
- Rich export experience, meet **Southeast Asia** document & packaging requirements
- Serve energy storage integrators, inverter factories and **transformer manufacturers**



Flexible Cooperation and Contact

Flexible cooperation modes to fit partners of all sizes

Contact



Cooperation Modes

Distribution	exclusive or non-exclusive regional agent
Project Supply	for local EPC and integrators
OEM / ODM	customization
Bulk & Sample	bulk order and small batch sample support

THANK YOU

Let Us Power the Future Together

Reliable products, trusted partnership — let us build the next project together. Visit our booth and talk to our team today.