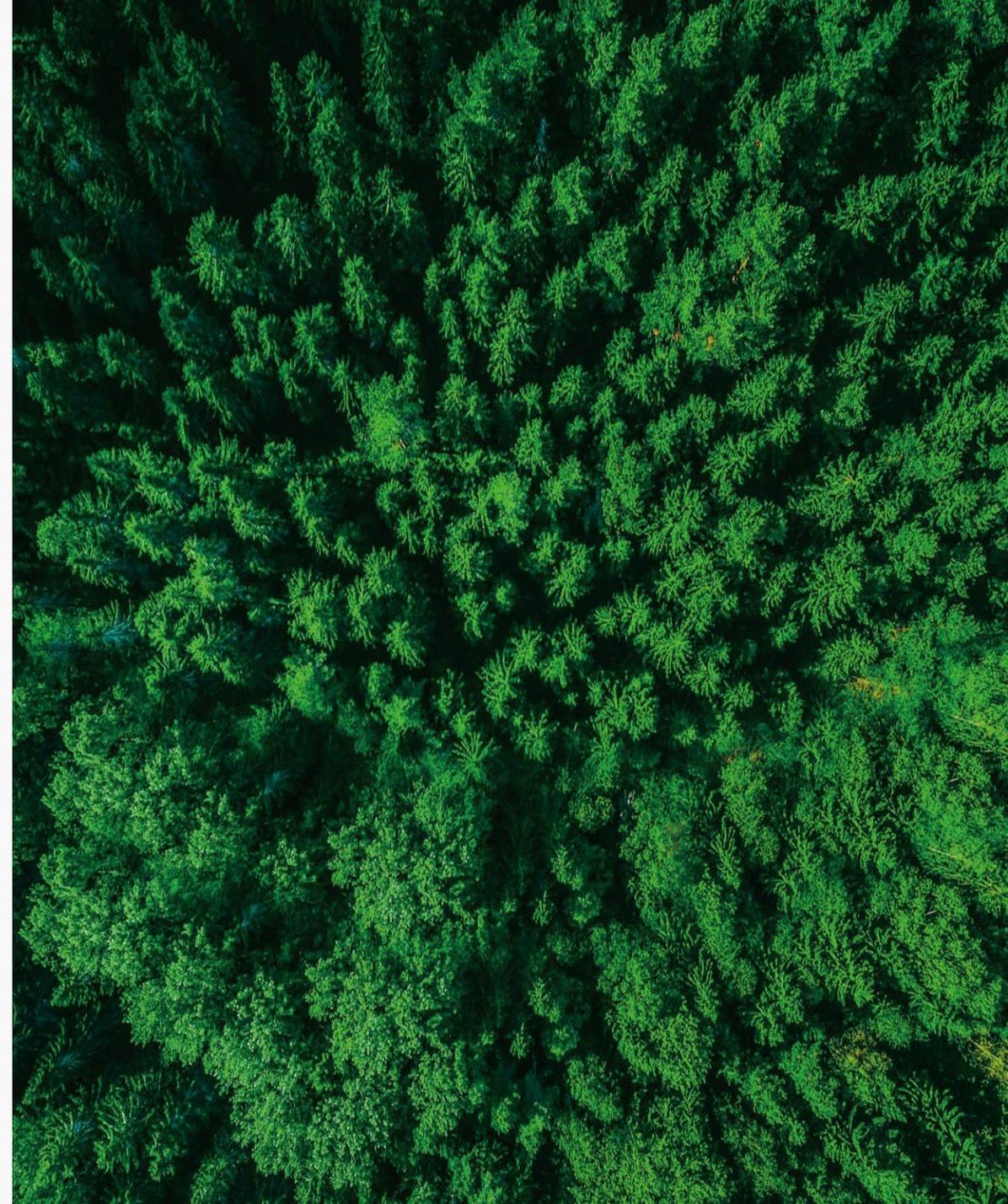# PAS SOLAR

## PAS INTERNATIONAL TRADING LLC(SINCE 1980)

## About Us

- **PAS SOLAR** is a Distributor of solar equipment based in the UAE. Composed of a team of professionals with the goal of providing customers with the latest **Tier 1 Solar equipment** in the region.

- With the latest **product generation available in stock,** we harness the energy from the sun and convert it to electricity for residential and commercial use.

# Critical parts of the solar system: Inverter, ESS & Solar Panels

**Grid Connection Scenario: Off-grid , On-grid & Hybrid.**

❖ In all grid configurations, the solar inverter serves as the system's core — handling power conversion, equipment control, data processing, and communication

❖ With rising demand for Off-Grid and Hybrid setups, **Battery Energy Storage Systems (BESS)** have emerged as the most critical — and most costly component in whole system.

❖ **Solar panels**, which collect and convert sunlight into DC power, are also critical in generating energy for the inverter. Although they are fragile and sensitive in nature, they have the **longest lifespan** among all system components.

❖ These factors underscore the need for cost-effective, high-quality components — ensuring long-term performance and project profitability

# GROWATT

## CERTIFICATE OF PREMIUM DISTRIBUTOR

We, (**Growatt New Energy Co.,Ltd**), a Chinese company
A: 4-13/F, Building A, Sino-German (Europe) Industrial Park,
Hangcheng Ave, Bao'an District, Shenzhen, China

Hereby authorize

**PAS INTERNATIONAL TRADING L.L.C (PAS SOLAR)**
To be our **Premium** Distributor in the United Arab Emirates

Product Range:

On grid, off grid, hybrid and battery

Distribution Territory:

United Arab Emirates

**Period of Validity:**          Signature:
2026.1.1~2027.1.1

Stamp:

SHENZHEN GROWATT NEW ENERGY CO., LTD.

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# GENIXGREEN ®

## Certificate of Authorisation

We Dongguan ZWAYN New Energy Co.,Ltd
herby and authorize:

**PAS INTERNATIONAL TRADING L.L.C**

As our Official Distributor and service partner of GenixGreen Brand
Lithium Battery products for the market of UAE

Authorized Distributor:
**PAS INTERNATIONAL TRADING L.L.C**
Product Range:
**GenixGreen Battery Products**
Issuer:
**Dongguan ZWAYN New Energy Co., Ltd**
Effective date of Authorization:
**September 10, 2025 to September 10, 2026**

**Dongguan ZWAYN New Energy Co., Ltd**
Room 101, Building 1, No. 18 Hu Nan Road,
Changping Town, Dongguan City, Guangdong Province

Chief Executive Officer

# PAS SOLAR Showroom in Naif Satellite Market Deira

Head Office in Baniyas Square,Deira

# PAS SOLAR- Customer Journey with PAS.

### Pre-sale

❖ Expert consultation tailored to site conditions and energy goals

### Sale

❖ Competitive pricing with Tier 1 certified brands in ready stock

### After-sale

❖ Ongoing support, warranty guidance, and spare part availability

# Products At PAS Solar
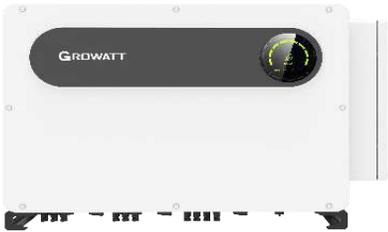
# Growatt Inverters Available at PAS Solar
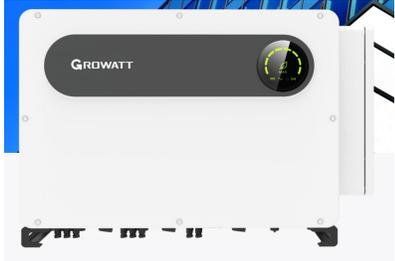
## On-Grid


MOD 10KTL3-X2 Pro


MID 25KTL3-X2


MID 50KTL3-X2


MAX 100KTL3 X, X2 LV


MAX 125KTL3 X, X2 LV

## Off-Grid


SPF 3000 TL-HVM-24


SPF 6000 ES plus

## Hybrid


SPE 12000 ES


WIT 15K-HU


WIT 30K-XHU


WIT 50K-XHU


WIT 100K-HU

# Batteries Available at PAS Solar

## Low Voltage

Growatt Hope 5.0L-B1
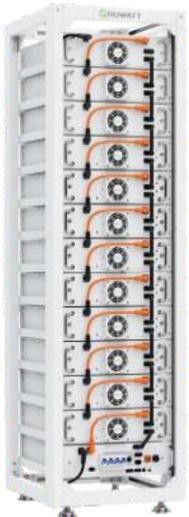
Growatt Hope 14.3L-A1

GenixGreen ES-BOX42

GenixGreen ES-BOX12Plus

GenixGreen ES-BOX36MAX(280)

## High Voltage

Growatt AXE 60.0H-1HR-E1 EU

To use with Growatt WIT30&50K-XHU

Growatt ACE 209H-2H

To use with Growatt WIT100K-HU

# Growatt Accessories Available at PAS Solar



Growatt ShineWiFi- F Pro

Growatt ShineWiFi- X2

Growatt ShineWiLan- X2

Growatt Shine Master

Growatt SEM-XA-R

**Growatt Dataloggers To Connect with Growatt Server**

Growatt Monitoring Platform
- Shine Tool
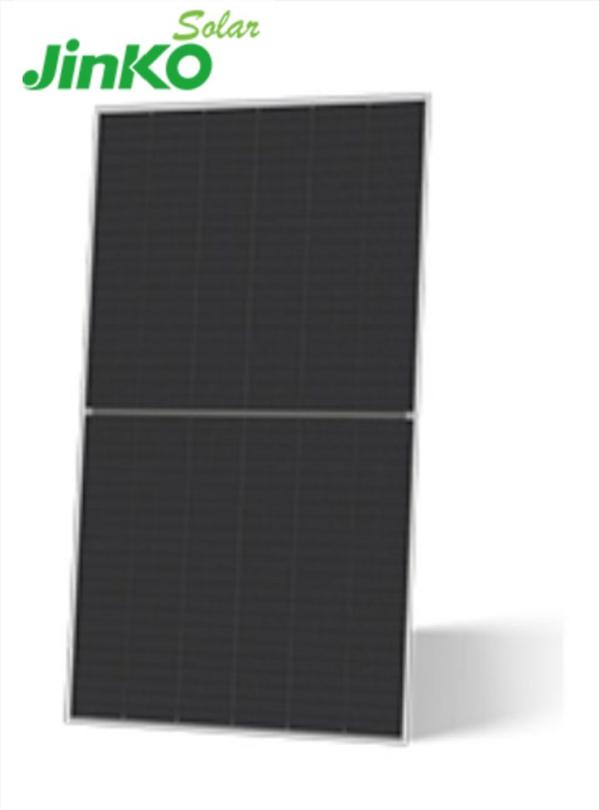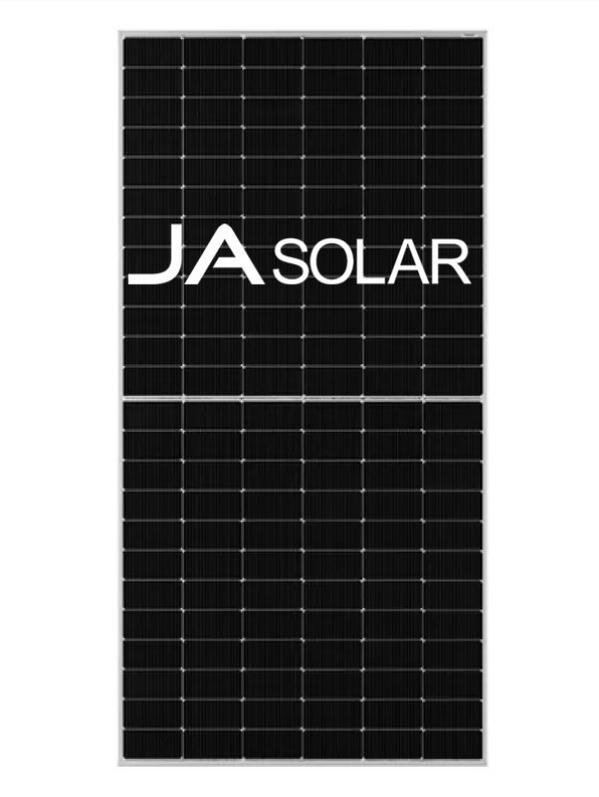- Shine Phone
- Shine Server
- OSS

Growatt SPM-CT-E

Growatt TPM-CT-E

**Growatt Smart Meter**

# Solar Panels Available at PAS Solar

# SPF 3000TL HVM-24

- ✓ Integrated MPPT Tracker
- ✓ 24 V Battery System
- ✓ Configurable grid or solar priority

# SPF 6000 ES Plus

- ✓ Plug and Play Installation
- ✓ Dual MPPT Tracker with MAX 500 Vdc each
- ✓ Up to 6 units (36kW) scalability parallel Single phase or Three phase
- ✓ Two AC input terminals with integrated transfer switch

# SPE 12000 ES

- ✓ Single Phase Hybrid Inverter with LV Battery
- ✓ With or without battery if with AC source
- ✓ Dual MPPT Tracker with max 550 Vdc each
- ✓ Up to 9 units (108kW) scalability parallel Single phase or Three phase
- ✓ Two AC input terminals with integrated transfer switch
- ✓ Dual output for Smart Load Management

# WIT 15K-HU

- ✓ Three Phase Hybrid Inverter with LV Battery
- ✓ Dual MPPT Tracker with max 1000 Vdc each
- ✓ Up to 6 units (90 kW) scalability parallel with SEM
- ✓ 100 % unbalanced output
- ✓ Support UPS function and Black Start
- ✓ Max String Current 20A
- ✓ Integrated with Generator input and Smart Load Control
- ✓ Advanced system modes configuration and monitoring

# WIT 30-50K-XHU

- ✓ Max 150kW/540 kWh in off-grid operation
- ✓ Multiple MPPT (4) with max 1100 V each and Battery (3) input
- ✓ Support DG input and Smart Load Function
- ✓ Support UPS and black start function – micro grid
- ✓ Support multi-system operation in parallel in off-grid mode (3 parallel)
- ✓ 100% 3 phase unbalanced output and 150% off-grid overload capacity
- ✓ With AXE High Voltage Batteries

# WIT 100K-HU

- ✓ Max 300 kW/627 kWh in off-grid operation
- ✓ Multiple MPPT (10) with max 1100 V each
- ✓ Support Remote Control of DG
- ✓ Support UPS and black start function – micro grid
- ✓ Support multi-system operation in parallel in off-grid mode (3 parallel)
- ✓ 100% 3 phase unbalanced output and 110% continuous AC overloading capacity
- ✓ With ACE High Voltage Batteries

# MOD 10KTL3-X2 (PRO)

- ✓ Max. efficiency 98.6%
- ✓ Dual MPPTs
- ✓ DC/AC up to 2.0
- ✓ Type II SPD on AC&DC side
- ✓ Support export limitation
- ✓ AFCI function optional

# MID 25KTL3-X2

- ✓ Max. efficiency up to 98.8%
- ✓ Dual MPP trackers
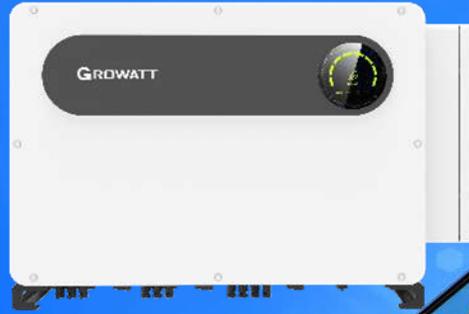- ✓ String monitoring
- ✓ AC&DC type II SPD
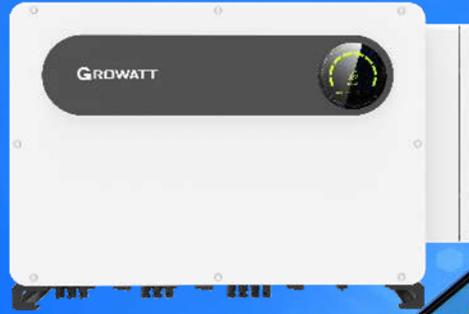- ✓ AFCI optional

# MID 50KTL3-X2

- ✓ Maximum string input current 16A
- ✓ Type II SPD on DC and AC side
- ✓ I/V curve scanning
- ✓ Intelligent string monitoring
- ✓ AFCI function ready

# MAX 100, 125 KTL3-X LV



- ✓ Dual String MPPT (10) input with MAX 1100 Vdc & 40 A Isc
- ✓ Fuse Free Design
- ✓ DC/AC ration up to 1.5
- ✓ Smart IV scan and Diagnosis
- ✓ Intelligent string monitoring
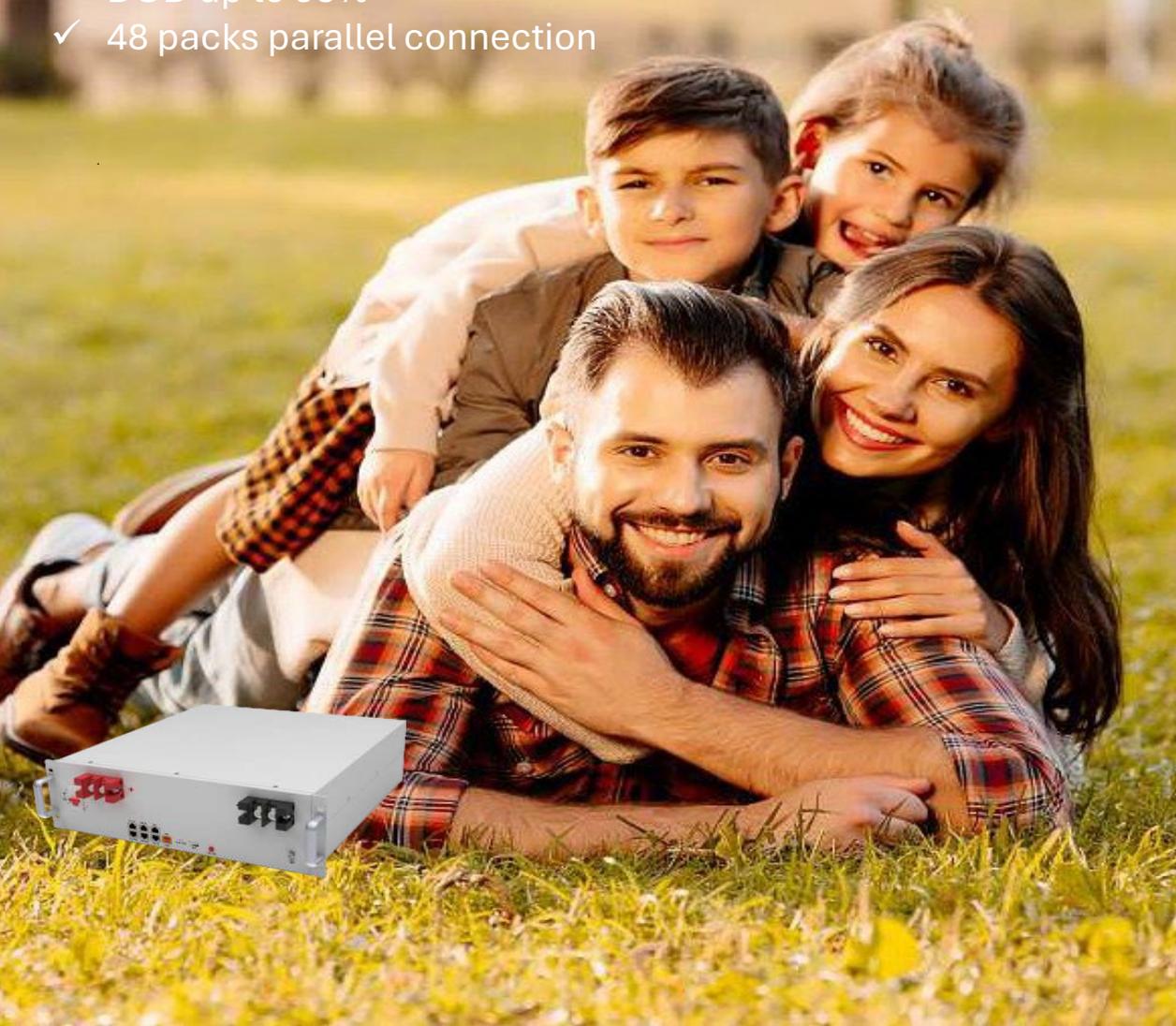- ✓ AC and DC Type 2 SPD
- ✓ IP 66 Protection

# MAX 100, 125 KTL3-X2 LV

- ✓ Dual String MPPT (8) input with MAX 1100 Vdc & 56.5 A Isc
- ✓ Max string current up to 22.5 A.
- ✓ Fuse Free Design
- ✓ DC/AC ratio up to 1.5
- ✓ Smart IV scan and Diagnosis
- ✓ Intelligent string monitoring
- ✓ AC and DC Type 2 SPD
- ✓ IP 66 Protection

# Growatt- Hope 5.0L.B1

- ✓ Easy power output expansion
- ✓ Compact size and high energy density
- ✓ Excellent safety of LiFePO4 battery cell
- ✓ DOD up to 98%
- ✓ 48 packs parallel connection

# Growatt- Hope 14.3-A1

- ✓ Flexible capacity from 14.3kWh to 686.4kWh
- ✓ Compact size and high energy density
- ✓ Excellent safety of LiFePO4 battery cell
- ✓ DOD up to 93%
- ✓ 48 packs parallel connection
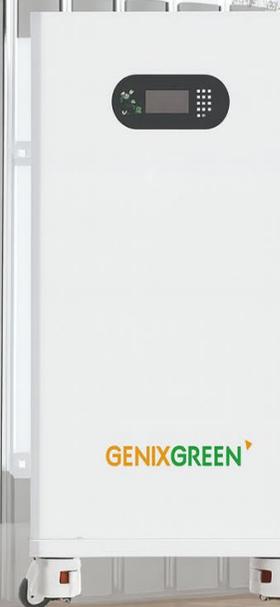
# GenixGreen-ES-BOX-42

**5.12 kWh**

WIFI Remote monitoring（optional）

1C/1C continuous charge and discharge

Low voltage safety connection

Bluetooth local control（optional）

Superior LiFePO4 safety performance

5 years standard warranty

# GenixGreen-ES-BOX-12 PLUS

**10.24 kWh**

Flexible installation, saving time and effort

1C/1C continuous charge and discharge

5 years standard warranty

Superior LiFePO4 safety performance

Low voltage safety connection

Max. 16 modules parallel

## GENIXGREEN®

# GenixGreen-BOX-36Max(280)

**14.33 kWh**

## Features:

WiFi remote monitoring and cloud management services

DIBO 80% 6000 cocies at 50% POD

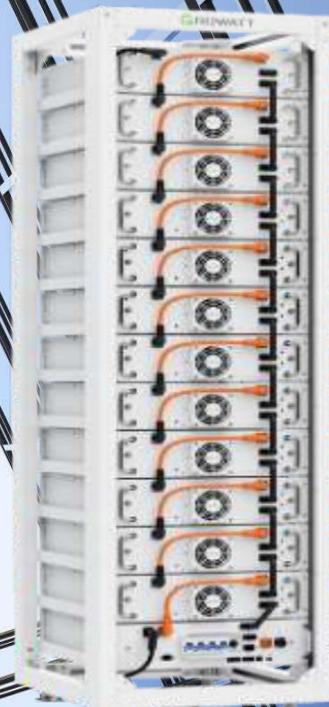5 3 years stand ent varranty

Superior LiFoPO4 safety performance

Low voltage safety connection

Max: 10 modules parallel

# AXE 30.0-60.0 H-RE1 EU

- ✓ Adopt high-safety – LFP Battery
- ✓ Battery pack modular design support 30-60 kWh flexible expansion
- ✓ Support 1 C continuous Charge /Discharge
- ✓ Battery pack compatible with 19 inch cabinet installation
- ✓ Easy Installation & Maintenance
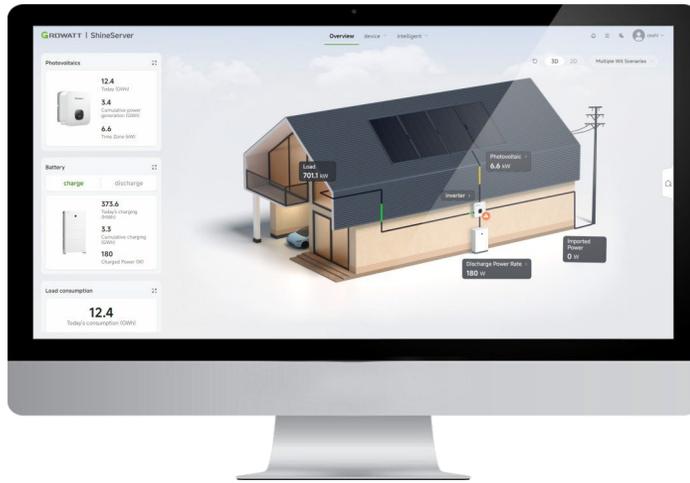- ✓ Support multi rack parallel communication

# ACE 209 KWH-2H

- ✓ Easy to install and maintain
- ✓ Modular design, support for multiple parallel operations , flexible expansion of system scale
- ✓ Multiple security protection to ensure the safe operation of the system
- ✓ Independent management of battery racks, high stability
- ✓ Localized minimalist operation and maintenance,
- ✓ supporting remote fault diagnosis and upgrading

# Growatt Remote Monitoring and Configuration

## Powerful Monitoring Platform

ShineServer and ShinePhone are the advanced monitoring systems developed by Growatt and freely open to our users.



ShineServer

### Powerful cloud server

- User data security
- Up to 10 years user data storage
- Continues data upload even local network outage

### Managing wherever you are and whatever you want

- Mobile APP platform
- Adjustable working mode
- Adjustable inverter parameters

## User-friendly interface

- Intuitive layout
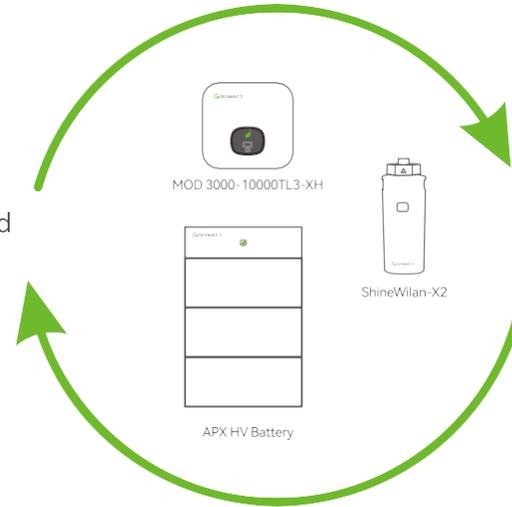- Smart navigation, easy to get started

## Everything at a glance

- Energy flow indication
- Real-time operating data
- Additional useful information



ShinePhone

## Whole System Service



MOD 3000-10000TL3-XH

APX HV Battery

ShineWilan-X2

### Complete equipment supply

- Inverter, battery, monitoring system and accessories
- Deep compatibility between devices
- More reliable

### Whole system guarantee

- Guidance and help of the whole system
- Warranty for all devices
- Professional local after-sales team

## Smart Online Service System (OSS)

OSS platform



Growatt Online Smart Service (OSS in short) system is a smart customer service platform, which can offer a quick support for service, lowering service costs for both growatt installers and distributors with the help of Growatt OSS, service engineers almost can handle 60% + problems by remote configuration and FW updating without on-site service.

# PAS SOLAR- Your Partner In High-Quality Solar Distribution.

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+971 4 5779131

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Email
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