

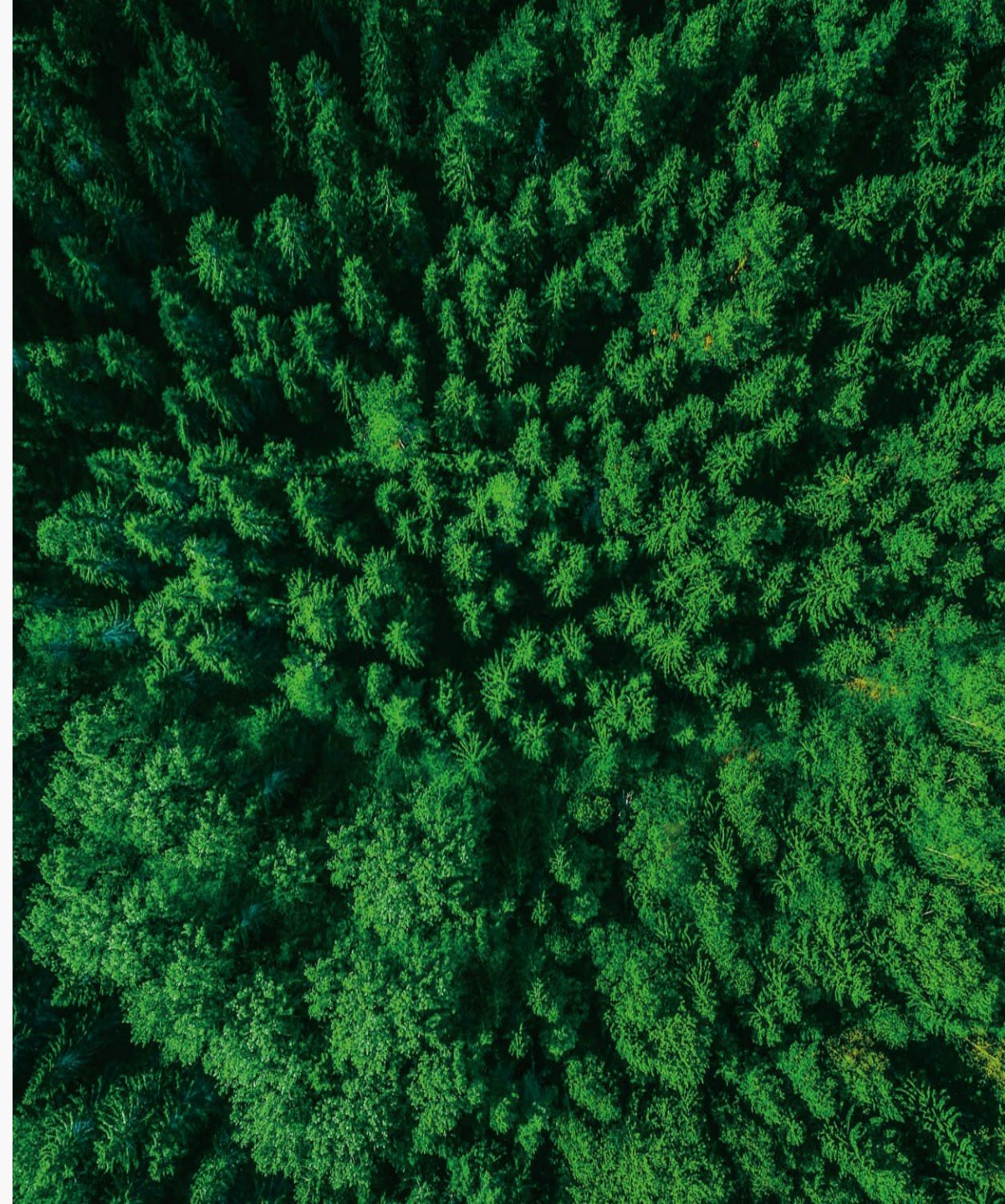


PAS SOLAR

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



Authorized Distributor In UAE

This certificate is issued to the authorized distributor in the
Iraq Lmarket of Growatt, allowing it to sell the productso
f Growatt within the specified range in UAE.

Name of Issuing Company:

SHENZHEN GROWATT NEW ENERGY CO., LTD.

Distributor Name:

PAS INTERNATIONAL TRADING LLC

Distribution Product Range:

Growatt PV inverter & EV Charger & Energy Storage

Distribution Territory:

UAE

Valid Until:

Dec 31st, 2025

Company Stamp :

Shenzhen Growatt New Energy Co., Ltd.

Signature:



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



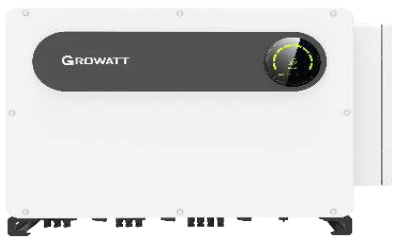
MOD 10KTL3-X2 Pro



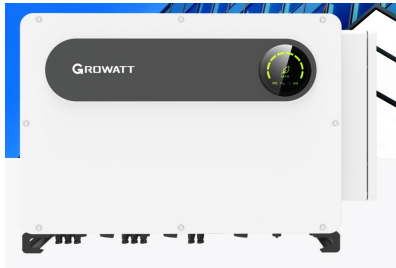
MID 25KTL3-X2



MID 50KTL3-X2



MAX 100KTL3 X, X2 LV



MAX 125KTL3 X, X2 LV

Off-Grid



SPF 3000 TL-HVM-24

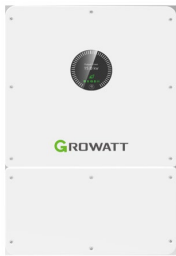


SPF 6000 ES plus

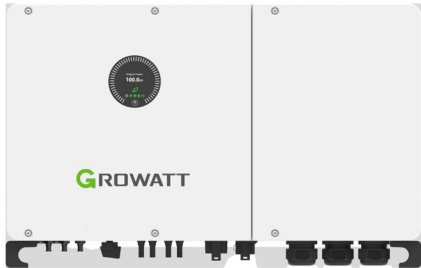
Hybrid



SPE 12000 ES



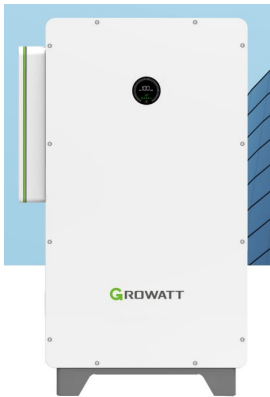
WIT 15K-HU



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

Growatt Dataloggers To Connect with Growatt Server



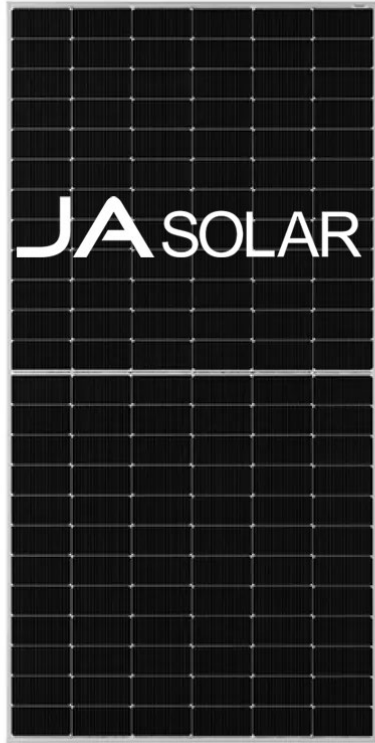
Growatt SPM-CT-E



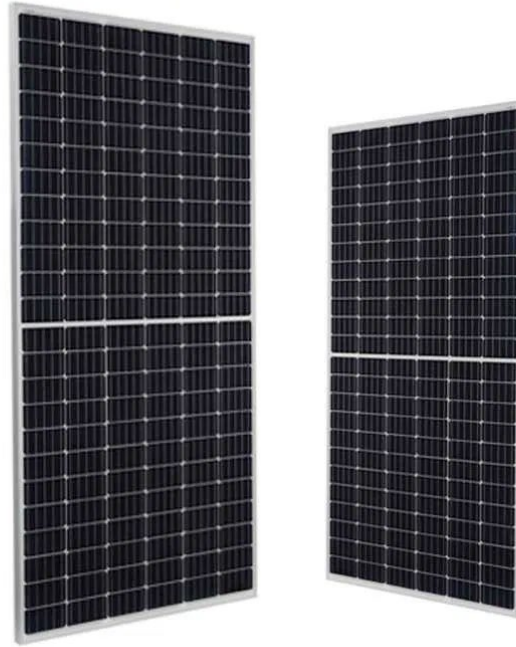
Growatt TPM-CT-E

Growatt Smart Meter

Solar Panels Available at PAS Solar



Trinasolar



JinKO *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



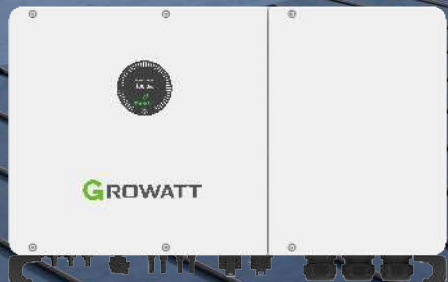
WIT 15K-HU

- ✓ 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

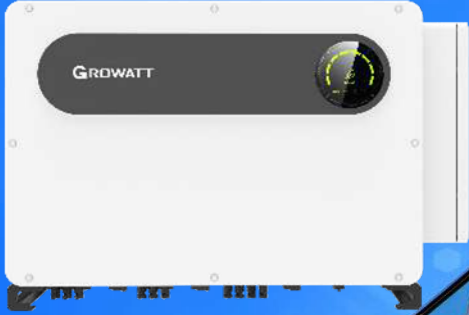


MID 50KTL3-X2



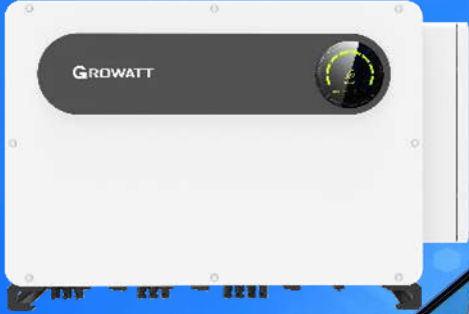
- ✓ Maximum string input current 16A
- ✓ Type II SPD on DC and AC side
- ✓ I/V curve scanning
- ✓ Intelligent string monitoring
- ✓ AFCI function ready

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

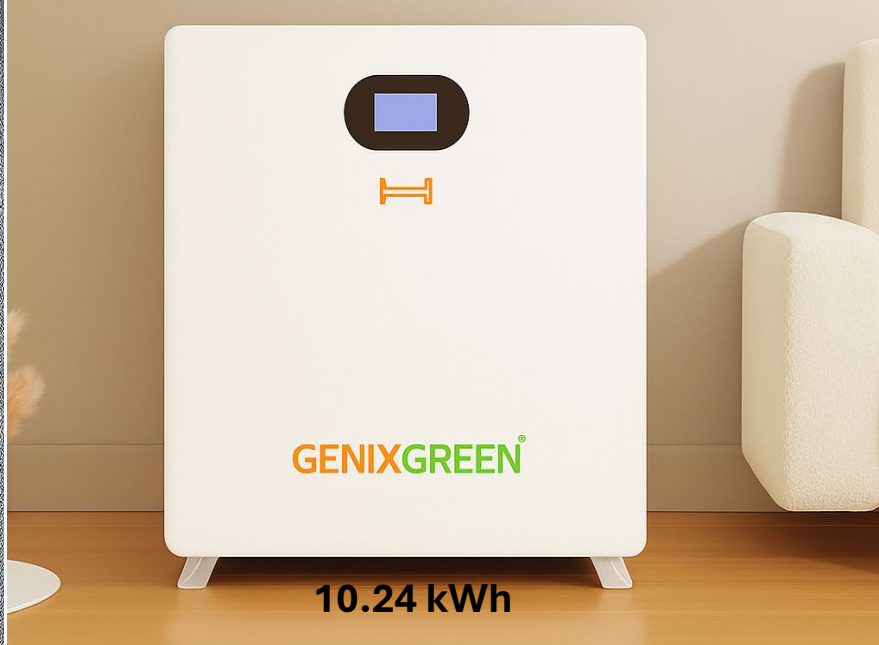


GenixGreen-ES-BOX-42



5.12 kWh

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



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®

GenixGreen-BOX-36Max(280)



14.33 kWh

Features:



WiFi remote monitoring and cloud
management services



6000 cycles
at 50% POD



3 years
standent varranty



Superior LiFePO4
safety performance



Low voltage
safety connection



Max: 10 modules parallel

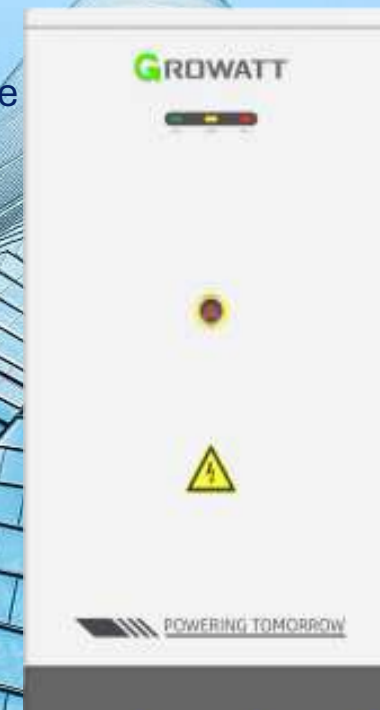
AXE 30.0-60.0 H-RE1 EU

- ✓ 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

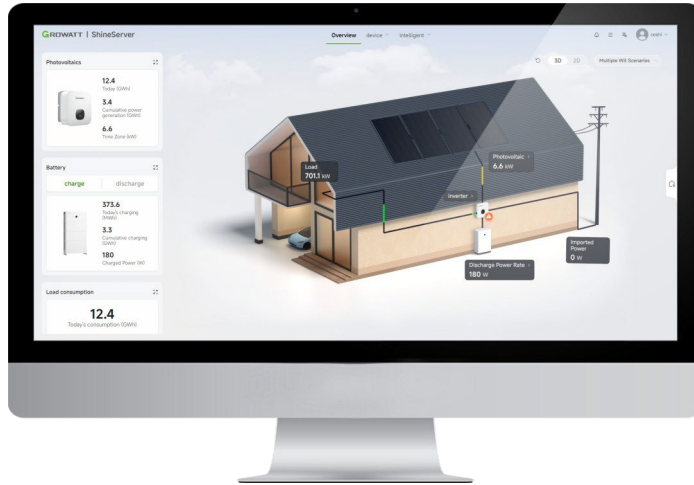
- ✓ Easy to install and maintain
- ✓ Modular design, support for multiple parallel operations , flexible expansion of system scale
- ✓ Multiple security protection to ensure the safe operation of the system
- ✓ Independent management of battery racks, high stability
- ✓ Localized minimalist operation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

Whole System Service



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



ShinePhone

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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