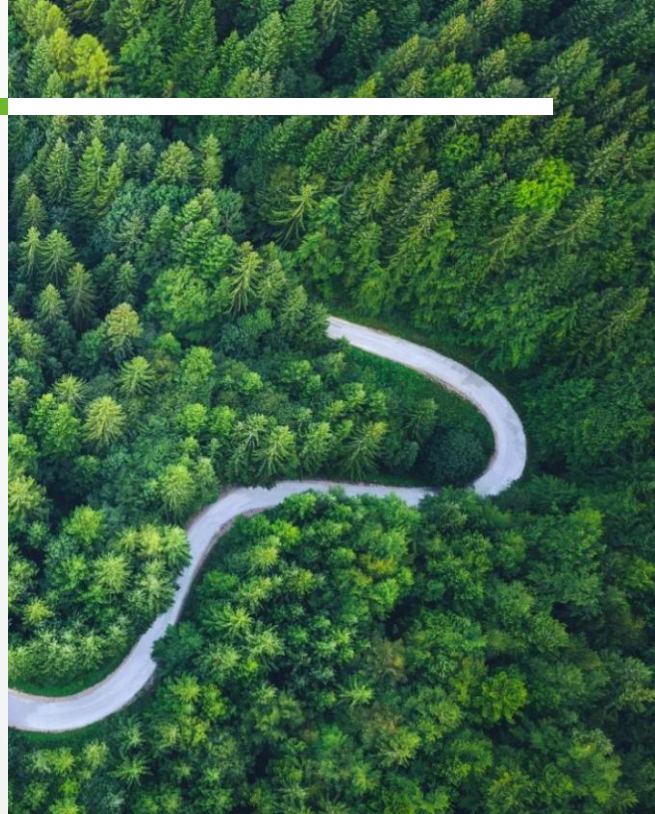

GROWATT COMPANY PROFILE



SHENZHEN GROWATT NEW ENERGY CO.,LTD

GROWATT

Global Top Brand



PV Inverters

Growatt provides a wide range of smart PV solutions for residential, C&I and utility-scale solar plants. Growatt's smart string PV inverters, capacity ranging from 0.75kW to 253kW, along with Online Smart Service(OSS) platform achieve higher yields and provide superior safety and smarter O&M for customers.



Residential



Commercial & Industrial



Utility Scale

Residential Products

Single Phase



MIC 750-3300TL-X
(0.75-3.3kW)



MIN 2500-6000TL-X/XE/XH
(2.5-6kW)

Three Phase



MOD 3-10TL3-X/XH
(3-10kW)



MOD 10-15KTL3-X
(10-15kW)

NO.1

Global NO. 1

Over 1.8 million residential PV
inverters installed worldwide



Compact & Convenient

Smaller and lighter for easy
transport and installation

Touch key & OLED



Safe & Reliable

Type II SPD, AFCI, Fuseless



Smart & Flexible

Online remote service
Future proofed battery ready

C&I PV Products

Commercial and Industrial



MID 17-22KTL3-X
(17-22kW)



MID 25-40KTL3-X
(25-40kW)



MAX 50-80KTL3 LV
(50-80kW)



MAX 100-125KTL3-X LV
(100-125kW)



Optimal LCOE

Multiple MPPTs
Higher DC/AC Ratio
Support Bi-Facial Modules

.....



Safe & Reliable

Type II SPD, AFCI, Fuseless



Smart Maintenance

I/V curve scan
One-click diagnose
Online remote service

Energy Storage System

Growatt's 'Solar + Storage' package solution can be used in various scenarios including new installation and retrofit, covering residential ESS, micro-grid diverse applications. Its capacity ranges of 2k-1MW/2.56kWh-4MWh and customers can have warranty for the whole system. The smart micro-grid system can utilize multiple power sources and support diverse electrical loads. It's an ideal independent energy solutions for isolated islands and remote areas where there's limited or even no access to the grid.

Growatt energy storage system also supports access to VPP (Virtual Power Plant) and IoT devices, could provide 24-hour uninterrupted clean energy, maximize PV self-consumption and return for customers.



Residential Energy Storage Products

Single Phase Storage



SPH 3-6K
(3 – 6kW)

3-Phase Storage



SPH 5-10KTL3 BH-UP
(5 – 10 kW)



SPA 5-10KTL3 BH
(5 – 10kW)

Battery Ready Storage



MIN 2500-6000TL-XH/XA
(2.5-6kW)

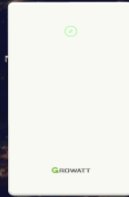


MOD 3-10KTL3 -XH
(3 – 10kW)

LV Battery



ARK LV Battery System
(Module: 2.56kWh)
Max. 10pcs
(2.56KWh-25.6KWh)



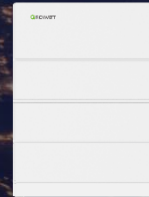
GBLI6532
(Module: 6.5KWh)
Max. 2pcs
(6.5KWh-13KWh)

HV Battery



ARK HV Battery System
(Module: 2.56kWh)
Range 3 - 10 pcs
(7.68KWh-25.6KWh)

HV Battery

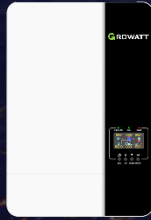


ARK XH Battery System
(Module: 2.56kWh)
Range 2 - 10 pcs
(5.12KWh-25.6KWh)

Off-Grid Storage System

Gain the fully energy independence

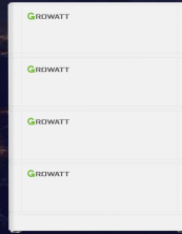
2kW ~ 30kW Off-grid ESS



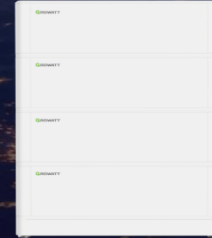
SPF 5000ES



SPF 3000T HVM-G2



ARK LV Battery System
(Module: 2.56kWh)



AXE 5.0L-A1 Battery
Module: 5kWh



Residential Off-grid ESS



Micro-grid System for Isolated Islands

Growatt Energy Storage System

Guarantee your 24/7 uninterruptable green energy with best whole system



Whole system supplier
Whole system warranty



Superior Safety
LFP Battery, multi-level protections



Smart Management
Remote monitoring & online service



Future Proofed
Ready for VPP & IoT devices



Smart EV Charger

Growatt's smart EV charger can be used in various scenarios including residential and commercial. Its capacity ranges of 3-22kW AC charger and 20/40kW DC. With the highlighted GroHome system and PV linkage charge mode, users can remotely control and charge their EVs with 100% clean power.



EV Charger Products

AC EV Charger



THOR 03/07AS-S, THOR 03/07AS-P
(230Vac, 3/7kW)



THOR 11/22AS-S, THOR 11/22AS-P
(400Vac, 11/22kW)

DC EV Charger



THOR 40DS-P, THOR 40DD-P
(DC, 40kW)



Charge with 100% Solar

Integration with existing & new-installed PV system



Suitable for All Brand EVs

Compatible with Tesla, BMW, Renault, Nissan, BYD ...



Smart Management

Remote Control and Smart Scheduling thru the Shinephone APP



Strong Security

IP65, 6mA DC Fault Current Protection, Overload/Short Full Protection

Smart Energy Management

Growatt's smart energy solution is built upon Big Data, AI and IoT. By using multi-point data monitoring and smart cloud platform, it supports the prediction of energy generation and consumption and can achieve smart management and distribution of energy. It's the ideal solution to provide clean energy for households and businesses.



Smart Monitoring & Maintenance



Smart Home



Smart Facility

Smart Monitoring & OSS

- ◆ One-click diagnosis
- ◆ Remote parameter setting
- ◆ 24*7 online scanning & failure report
- ◆ Remote firmware upgrading

Diverse Monitoring Devices



Shine
WiFi/GPRS/4G



ShineLAN-X



ShineLink-X



ShineMaster/-4G



Smart Energy
Manager

Smart Monitoring Platform & OSS



ShinePhone APP



ShineServer



Online Smart Service (OSS)

Data Security

Growatt always paid great attention to data security

Database in European Union, local in **Frankfurt , Germany**

Comply with GDPR

Growatt monitoring platform complied with GDPR with SGS guidance.

Secure communication

Encrypted transfer of data to the solar portal

Data encryption in line with SSL and AES standard



General Data
Protection Regulation

Smart Home

GroHome

is a smart home system that integrates solar, energy storage, smart EV charger, water heater controller, VPP interface and IoT devices to increase a household's rate of PV self-consumption, also support the prediction of energy generation and consumption based on Big Data and AI technology, allowing you to enjoy the new lifestyle of green, comfort and smart.

100% Green Energy Powering Your Home.



THANKS



Copyright© 2022 Growatt New Energy CO., LTD

All Rights Reserved. The information contained in this document is only for reference purpose and subject to change by company officials.



 Growatt New Energy