

AUXSOL
WIN GREEN FUTURE TOGETHER

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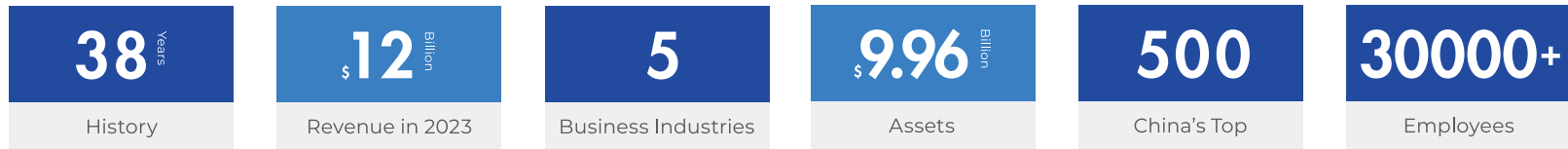
**WIN GREEN
FUTURE
TOGETHER**





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• Ningbo AUX Solar Technology Co., Ltd. ("AUX Solar") is wholly-owned subsidiary of Ningbo AUX Smart Technology CO., LTD. With registered capital of USD 44 million, AUX Solar specializes in on-grid inverters, hybrid inverters, battery packs and energy storage systems.

• AUX Group was founded in 1986, for many years it ranked China's top 500 enterprises. AUX Group covers several industries: home appliances, electrical equipment, medical service, real estate and investment. It has two listed companies (601567.SH, 02080.HK).

• AUX Group always strictly adheres to the philosophy of "Quality First" , so does AUX Solar, which has over 100 employees and has been certified by ISO 9001 & ISO 14001& ISO 45001.

• In line with the development trend of global new energy industry, combining with 30+ years R&D experience of AUX Group, AUX Solar commits to providing a complete system solution for our customers with our high quality, efficient, reliable and user-friendly solar products.

• Up till now, AUX Solar has set up two R&D centers in Ningbo and Shenzhen as well as service centers in Brazil, Colombia, Poland, Bangladesh and Indonesia, building a marketing service system covering global solar markets.















• In the future, AUX Solar will improve its industrial layout of new energy with continuous innovation and dedication to solar industry, with the ultimate goal of promoting energy reform worldwide and rendering green energy available to thousands of households.



AUX GROUP

Established in 1986, AUX Group is an enterprise which covers **5** industries. It ranked China's top **500** enterprises for consecutive years, **30000+** employees keep AUX fast development for recent years.



						
YINZHOU, NINGBO	JIANGBEI, NINGBO	GAOXIN, NINGBO	NANCHANG	TIANJIN	WUHU	ZHENGZHOU
1000,000 m ²	367,000 m ²	283,000 m ²	820,000 m ²	350,000 m ²	400,000 m ²	1000,000 m ²
						
MAANSHAN	BRAZIL	INDONESIA	THAILAND	POLAND	GERMAN	MEXICO
660,000 m ²	8,000 m ²	7,000 m ²	11,300 m ²	3,300 m ²	00 m ²	00 m ²

6 R&D Centers

					
MAANSHAN	BRAZIL	INDONESIA	THAILAND	POLAND	GERMAN

14 Manufacturing Bases
11 Overseas Companies

Milestone AUX Group

1986

Establish



1994

Set up AUX air conditioning company



2006

Establishment of medical department - Mingzhou hospital



2015

Brazil and Indonesia set up overseas factories



2021

Set up overseas factories in Poland



2024

Set up easymeter factories in Germany



1989



Establishment of power division-Sanxing Electric

2000



Establishment of real estate division - AUX real estate

2011



Sanxing Electric was listed on Shanghai Stock Exchange

2019



Thailand base completed

2023



The home appliance industry set up sales companies in Malaysia, Thailand and the United States.

R&D Strength

Ningbo AUXSOL Technology Co., Ltd. (hereinafter referred to as 'AUXSOL'), with a registered capital of 300 million yuan, is a wholly-owned subsidiary of AUXSOL, a new energy platform focusing on the research and development, production and service of photovoltaic grid-connected inverters, energy storage inverters, battery packs and energy storage systems.

Since its establishment, the company has focused on building the core advantages of products, technology, market and service. It has passed ISO9001, ISO14001, and ISO45001 system certifications. The company's photovoltaic inverters have been certified by CQC, CGC, VDE-AR-N 4105 and many other domestic and foreign professional institutions.

It has two major R&D centers in Ningbo and Shenzhen, 21 domestic after-sales service networks, and overseas service centers in Brazil, Poland, Germany and other places to build a global photovoltaic marketing system.

Under the leadership of the national "dual-carbon" policy, in line with the development trend of the new energy industry, the company combines more than 30 years of product research and development experience with photovoltaic technology innovation to create "leading quality, efficient, reliable, intelligent and friendly" smart photovoltaic products and overall solutions.

In the future, AUXSOL will continue to innovate, deepen the photovoltaic industry chain, improve the layout of the new energy industry, and promote the world with science and technology.



Global Certifications

1 EN 50549-1



2 EN IEC62109



3 EN 61000



4 NC-RFG



5 IEC 61727



6 IEC 62116



7 IEC 61683



8 INMETRO



9 VDE4105



AUX

ONE-STOP HOME ENERGY MANAGEMENT SYSTEM



APP



REMOTE MONITORING

BT

AHS

HIGH LIGHT

ONE-STOP

All Developed and Manufactured By AUX

15%

PV Input Power

0ms

Automatic Switching

97.4%

Max Conversion Efficiency

5m

Battery Drop Test

IP66

Water/dust Protection

97.4%

Max Battery Charge Efficiency

Product Interduction



3.6-6 kW
SINGLE PHASE



7-10 kW
SINGLE PHASE



5-25 kW
THREE PHASE



30-40 kW
THREE PHASE

Residential On-Grid Solution



3.6-6 kW
SINGLE PHASE



5-12 kW
THREE PHASE



15-20 kW
THREE PHASE



5.3-21.2kWh
BATTERY PACK

Residential Hybrid Solution



50-80 kW
THREE PHASE



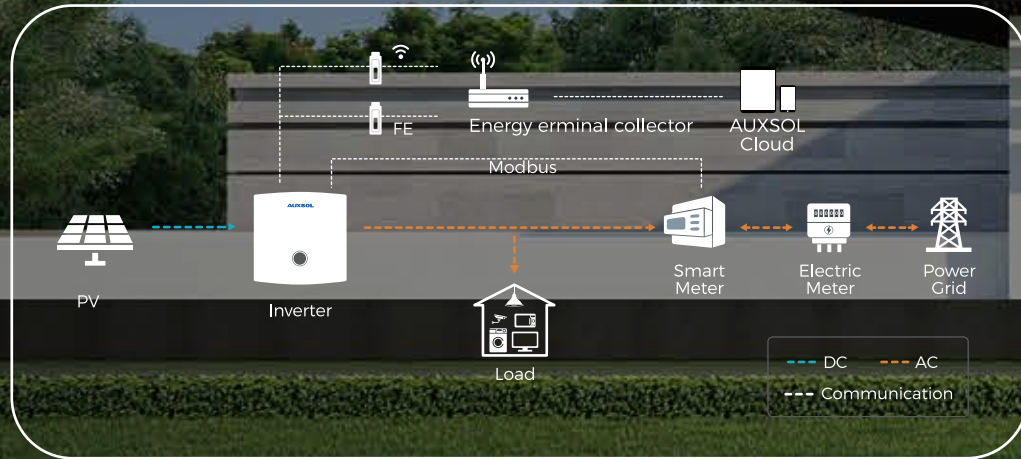
75-125 kW
THREE PHASE

C&I On-Grid Solution

Residential On-Grid Solution

AUXSOL new-design ASN 3.6-40kW series grid-tied inverters, safe, reliable and beautiful, which is the perfect match for household scenarios. Manufactured for durability and longevity under modern industrial standards, it can be mounted either in your home or outside .

It is suitable for various photovoltaic projects, and integrates multi-functional protection units to achieve safe and efficient power generation.





SINGLE PHASE ON-GRID INVERTER



- ASN-3.6SL-PLUS
- ASN-4SL-PLUS
- ASN-4.6SL-PLUS
- ASN-5SL-PLUS
- ASN-6SL-PLUS
- ASN-7SL
- ASN-8SL
- ASN-10SL



80V start-up voltage



Max. 150% DC/AC ratio



Max. efficiency 98.1%



Optional AFCI function



Max. IP66 protection



Wide range of MPPT voltage

Technical Data	ASN-3.6SL-PLUS	ASN-4SL-PLUS	ASN-4.6SL-PLUS	ASN-5SL-PLUS	ASN-6SL-PLUS	ASN-7SL	ASN-8SL	ASN-10SL
Start-up voltage	80V					80V	40V	
MPPT voltage range	80-520V					80-550V	40-550V	
Max. input current	13.5A/13.5A/16A/16A					27A/16A	32A/16A	
MPPT number	2					2		
Max. input strings number	2					3		
Max. output power	3.96kW	4.4kW	5.06kW	5kW/(5.5kW)	6kW	7.7kW	8kW	10kW
Rated grid output current /(-PLUS)	15.7A/(16.4A)	17.4A/(18.2A)	20.0A/(20.9A)	22.7A/(16.4A)	-/(27.3A)	31.8A	36.4A	45.5A
Max. output current/(-PLUS)	16A/(18A)	19.4A/(20A)	22.3A/(23A)	24.3A/(25A)	-/(27.3A)	34A	36.4A	45.5A



THREE PHASE ON-GRID INVERTER

ASN-5TL-G2

ASN-6TL-G2

ASN-8TL-G2

ASN-10TL-G2



String current up to 16A



Wide range of MPPT voltage



Max. 150% DC/AC ratio



Max. efficiency 98.5%



Optional AFCI function



Max. IP66 protection

Technical Data	ASN-5TL-G2	ASN-6TL-G2	ASN-8TL-G2	ASN-10TL-G2
Start-up voltage	140V			
MPPT voltage range	140-1000V			
Max. input current	20A/20A			
MPPT number	2			
Max. input strings number	2			
Rated output power	5kW	6kW	8kW	10kW
Max.apparent output power	5.5kVA	6.6kVA	8.8kVA	11kVA
Rated output current	7.2A	8.7A	11.5A	14.4A



THREE PHASE ON-GRID INVERTER

- ASN-12TL-G2
- ASN-15TL-G2
- ASN-17TL-G2
- ASN-20TL-G2
- ASN-23TL-G2
- ASN-25TL-G2
- ASN-30TL-G2



String current up to 16A



Wide range of MPPT voltage



Max. 150% DC/AC ratio



Max. efficiency 98.5%



Optional AFCI function

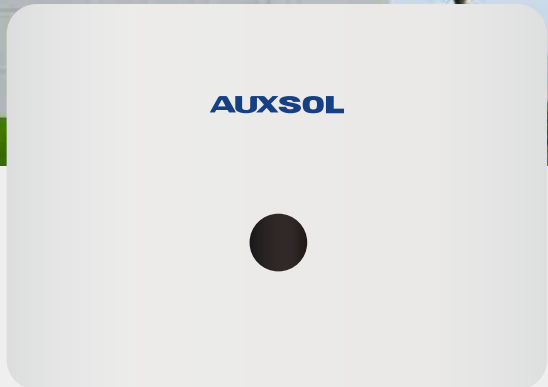


Max. IP66 protection

Technical Data	ASN-12TL-G2	ASN-15TL-G2	ASN-17TL-G2	ASN-20TL-G2	ASN-23TL-G2	ASN-25TL-G2	ASN-30TL-G2
Start-up voltage	160V						
MPPT voltage range	150-1000V						
Max. input current	40A/32A						40A/32A/32A
MPPT number	2						3
Max. input strings number	4						6
Rated output power	12kW	15kW	17kW	20kW	23kW	25kW	30kW
Max.apparent output power	13.2kVA	16.5kVA	18.7kVA	22kVA	25.3kVA	27.5kVA	33kVA
Rated grid output current	17.3A	21.7A	24.5A	28.9A	33.2A	36.1A	43.3A



THREE PHASE ON-GRID INVERTER



- ASN-33TL
- ASN-36TL
- ASN-40TL
- ASN-40TL-PLUS



String current up to 16A



Wide range of MPPT voltage



Max. 150% DC/AC ratio



Max. efficiency 98.5%



Optional AFCI function

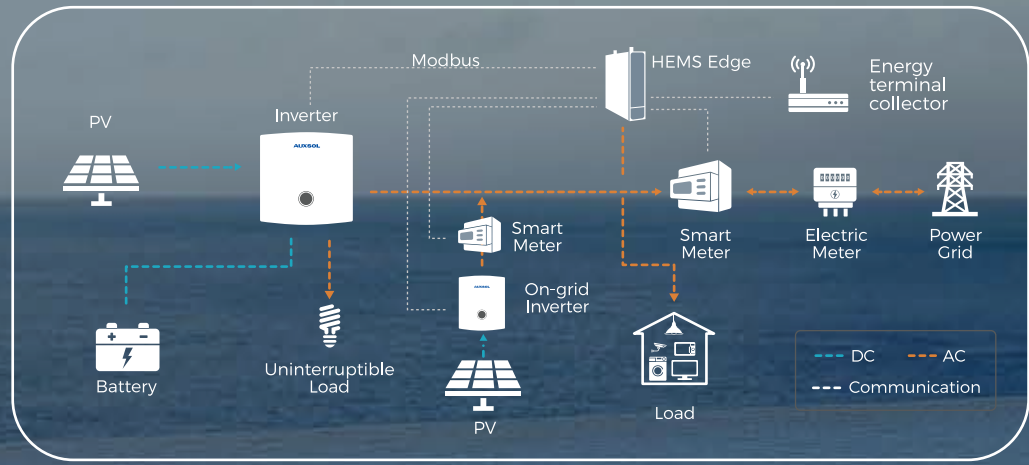


Max. IP66 protection

Technical Data	ASN-33TL	ASN-36TL	ASN-40TL	ASN-40TL-PLUS
Start-up voltage	180V			
MPPT voltage range	160-1000V			
Max. input current	40A/40A/20A		40A/40A/20A/20A	40A/40A/40A/40A
MPPT number	3		4	
Max. input strings number	5		6	
Rated output power	33kW	36kW	40kW	40kW
Max.apparent output power	36.3kVA	39.6kVA	44kVA	44kVA
Rated grid output current	47.6A	52A	57.7A	57.7A

Residential Hybrid Solution

Compact and lightweight, the OUTSOLE ASC series is the perfect choice for residential installations. The ASC series boasts excellent durability, an ultra-long lifespan under modern industrial standards, and an IP66 protection rating, suitable for indoor and outdoor environments.





SINGLE PHASE HYBRID INVERTER



- ASG-3.6SL-ZH
- ASG-4SL-ZH
- ASG-4.6SL-ZH
- ASG-5SL-ZH
- ASG-6SL-ZH



String current up to 16A



Wide range of MPPT voltage



Remote diagnosis & update



<10ms UPS-level switching



24^h 24-hour intelligent energy management



Max. IP66 protection

Technical Data	ASG-3.6SL-ZH	ASG-4SL-ZH	ASG-4.6SL-ZH	ASG-5SL-ZH	ASG-6SL-ZH
Rated voltage			360V		
MPPT voltage range			90-520V		
Max.input current			16A/16A		
MPPT number			2		
Max. input strings number			2		
Battery voltage range			80V-480V		
Max. charge / discharge current			30A/30A		
Back-up switch time			<10ms		



THREE PHASE HYBRID INVERTER

- ASG-5TL-ZH
- ASG-6TL-ZH
- ASG-8TL-ZH
- ASG-10TL-ZH
- ASG-12TL-ZH
- ASG-15TL-ZH
- ASG-20TL-ZH



String current up to 16A



Wide range of MPPT voltage



Remote diagnosis & update



<10ms UPS-level switching



24-hour intelligent energy management



Max. IP66 protection

Technical Data	ASG-5TL-ZH	ASG-6TL-ZH	ASG-8TL-ZH	ASG-10TL-ZH	ASG-12TL-ZH	ASG-15TL-ZH	ASG-20TL-ZH
Rated voltage	600V						
MPPT voltage range	200-900V						
Max.input current	16A/16A			26A/26A			36A/36A
Max.short circuit current	20A/20A			32A/32A			45A/45A
MPPT number	2						
Max. input strings number	2					4	
Max. charge / discharge current				30A/30A			2*30A/2*30A
Back-up switch time	<10ms						



BATTERY PACK (HV)

- ABL-T05H-H02
- ABL-T10H-H02
- ABL-T15H-H02
- ABL-T20H-H02



Intelligent redundant protection



Remote diagnosis & update



Easy installation and low maintenance



Reliable LFP technology with high cycle stability



Flexible Expansion



passes five-meter drop test, puncture test



Optional heating module

Technical Data	ABL-T05H-H02	ABL-T10H-H02	ABL-T15H-H02	ABL-T20H-H02	ABL-T25H-H02
Nominal battery energy	5.3kWh	10.6kWh	15.9kWh	21.2kWh	26.5kWh
Module number	1	2	3	4	5
Battery type	LiFePO4				
Nominal voltage	102.4V	204.8V	307.2V	409.6V	512V
Operating voltage range	86.4V ~ 115.2V	172.8~230.4V	259.2~345.6V	345.6~460.8V	432~576V
Max. charge current	32A				
Max. discharge current	32A				
Calendar life	>6000 (70% EOL)				

C&I On-Grid Solution

Compact and lightweight, the AUXSOL ASN series is the perfect match for C&I. The ASN series boasts excellent durability, an ultra-long lifespan under modern industrial standards, and an IP66 protection rating, suitable for indoor and outdoor environments.



50-80 kW
THREE PHASE



70-125 kW
THREE PHASE





THREE PHASE ON-GRID INVERTER



- ASN-50TL-G2
- ASN-60TL-G2
- ASN-70TL-G2
- ASN-75TL-G2
- ASN-80TL-G2



Wide MPPT voltage range



Max. efficiency 98.6%



Optional PID restoration function



Optional AFCI function



Optional anti-backflow




Max. IP66 protection


Technical Data	ASN-50TL-G2	ASN-60TL-G2	ASN-70TL-G2	ASN-75TL-G2	ASN-80TL-G2
Start-up voltage	160V				
MPPT voltage range	150-1000V				
Max. input current	40A*4	48A*4			
MPPT number	4				
Max. input strings number	8	12			
Rated output power	50kW	60kW	70kW	75kW	80kW
Max.apparent output power	55kVA	66kVA	77kVA	82.5kVA	88kVA
Rated grid output current	72.2A	86.6A	101A	108.3A	115.5A





THREE PHASE ON-GRID INVERTER


- ASN-70TL
- ASN-75TL
- ASN-80TL
- ASN-90TL
- ASN-100TL
- ASN-110TL
- ASN-125TL


- 

Wide MPPT voltage range
- 

Max. efficiency 98.6%
- 

Optional PID restoration function
- 

Optional AFCI function
- 

Optional anti-backflow
- 

Max. IP66 protection

Technical Data	ASN-70TL	ASN-75TL	ASN-80TL	ASN-90TL	ASN-100TL	ASN-110TL	ASN-125TL
Start-up voltage	195V						
Rated voltage	620V						
MPPT voltage range	180-1000V						
Max. input current	5*32A	6*32A		10*32A		10*40A	
MPPT number	5	6		10			
Max. input strings number	10		12		20		
Rated output power	70kW	75kW	80kW	90kW	100kW	110kW	125kW
Max.apparent output power	77kVA	82.5kVA	88kVA	99kVA	110kVA	121kVA	137.5kVA
Rated grid output current	101A	108.3A	115.5A	130A	144.5A	158.8A	180.4A




THREE-PHASE RAIL-MOUNTED METER (ZERO-EXPORT METER)

- N34G12 rail meter adopts special metering chip, modular design, with multi-function, high accuracy, small size, fast response, high stability and other characteristics. The product can be used in three-phase with four-wire, single-phase with two-wire and other power grids, and can measure quantity of active power, voltage, current, active power, reactive power, frequency, power factor, split-phase power and other parameters. Instantaneous volume refresh rate up to 20ms, communication response time is less than 30ms.
- N34G12 rail meter has 1 channel active electric pulse output; 1 channel RS485 communication port (Modbus RTU); The default RS485 communication rate is 9600bps (and can be customized to a higher rate); support active optical pulse output signal. And the product can be adapted to different inverter models.
- N34G12 rail meter has good electromagnetic compatibility, And has obtained the following certifications: international GB/T17215, GB/T15284, GB/T17883 and power industry standards DL/T614, IEC62053-21.

N34G12

 CE certification


 Max current 80A direct access


 Support single-phase with 2 wire, three-phase with 4 wire

 Communication response time <30ms

 Bidirectional metering

 Active power pulse output

 Multi-metering parameter measurement, Power refresh time 20ms

 RS485 Modbus

Access method	Accuracy level	Voltage	Current	Frequency	Impulse constant
Direct	Level 1/B	3*230/400V	0.25-5(80)A	45Hz-65Hz	1000

KEY PERFORMANCE INDICATORS

Power refreshing time	20ms	Communication Response Time	<30ms
Start-up current	0.4%Ib	Temperature	Operating temperature:-25°C ~ 70°C Storage and transportation temperature:-40°C ~ 70°C
communication interface	RS485	humidity	Working Humidity:≤90% Storage and Transportation Humidity:≤95
signal	Active	IP Rating	IP5X
AC withstand voltage	4kV	Voltage Line Power Consumption	<1W 5VA
Pulse withstand voltage	4kV	Current Line Power Consumption	<1VA
Electrostatic discharge	8kV contact discharge 15kV air discharge	Surge	4kV
Electromagnetic interference	IEC61000-4-3	Group Pulse	4kV
Conducted radiation	EN55022	Weight	≈360g
Appearance size	100*72*66mm	Mounting Dimension	35mm rail mounted

RS485 communication

Bus Type	RS485 bus half-duplex	Distance	<1000m
Protocol	Modbus RTU(default)	Communication rate	9600bps(default) 19200bps (rate can be customized)
Bus Load	<64pcs	Data Bit	8
Calibration Bits	EVEN\ODD\NONE(default)	Stop Bit	1





WALLBOX AC CHARGER


Developed AC chargers, integrated/ split DC chargers to meet Global Needs.


 CE certification

 Up to 22kW fast charging

 OTA Reservation OTA continued to upgrade

 Easy to use, simply plug-in and charge

 Cold-resistance: -30°C
Heat-resistance: 50°C

 High protection level with IP65, IK10

Technical Information

Input Voltage	230V±15% AC	400V±15% AC
Rated Power	7kW	22kW
Output Voltage	230V±15% AC	
Output Interface	CC52/GBT	
Rated Output Current	32A	19A/58A
Standard	IEC 61851-1:2017, IEC/EN 62752:2016, IEC 62196-2:2022	
Protection Functions	Over (under) voltage, leakage, over-current, over-temperature, short-circuit, surge, anti-reverse, grounding protection, emergency stop, etc.	
Cable Length	5m	

Remote Monitoring

Intelligent AI

Power plant, inverter, string ranking comparison function, improve operation and maintenance efficiency
IV scan function, one-click to know PV modules status Intelligent alarm propelling, more efficient for troubleshooting Intelligent local devices comparison

Convenient O&M

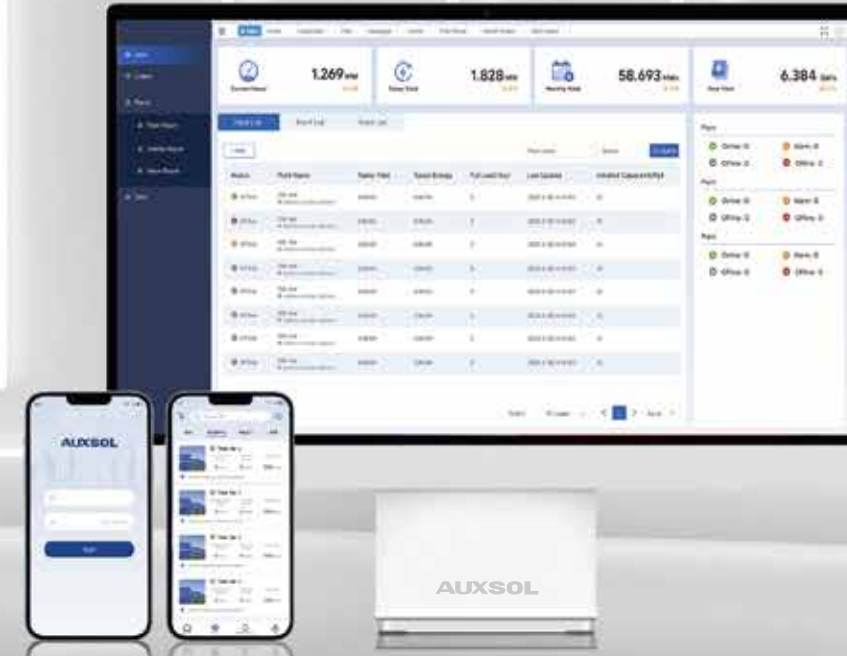
One-click creating plant & One-click adding device
Built-in repair channel in APP, convenient for end customers to report failure.
Multi-level maintenance, supporting level management
Multidimensional real-time data, supporting remote configuration
Large screen display, intuitive & clear

Safe & Reliable

Micro service framework, supporting tens of million devices
Safe operating information, supporting investigation and retrospection
Safe link, multiple data backup

Fast implementation

Five steps to quickly establish the power station (guide setup, wiring diagnosis, information filling)



Concept

- Comprehensive support for all AUXSOL products, including on-grid inverters, hybrid inverters, battery pack, datalogger, meter etc.
- Customer focused service concept
- Factory trained and certified service engineers ensure good service experience for global customers



Warranty Service

Based on AUXSOL products, provide suitable and cost-effective solution.

Provide corresponding extended warranty according to different regions requirement.

Training Support



Product Features Operation & Maintenance Troubleshooting Guide



On-line training for Customers and Service Partners



On-site training for O&M staff of customers