

AUXSOL



Solar Technology



Why Choose Us

Our AUXSOL solutions are designed with safety, efficiency, and future-readiness at the forefront. With features that ensure high yields for maximum energy output, robust safety measures for dependable operation, and UPS standard capabilities to seamlessly adapt to evolving energy needs, AUXSOL offers a sustainable system built for performance and peace of mind.



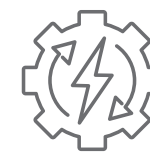
**AUX Group
products in over
170 Countries
Globally**



**Maximum
Efficiency
Up to 99%**



**UPS
Standard
Capabilities**



**High Grade
Electrical
Components**



**Wide Range of
Applications
Residential &
Commercial
Solutions**



Global Presence

Products Sold in Over **170 Countries** Around the Globe

Established in 1986 in Ningbo, China, AUX Group ranks among China's top 500 enterprises, specializing in air conditioning for nearly 30 years. As a top three international brand, AUX is the exclusive supplier for the 19th Asian Games. With five R&D centers and over 2,000 professionals, AUX prioritizes innovation and quality assurance.

Operating 11 manufacturing bases globally, AUX delivers an annual output exceeding 20 million units, backed by rigorous laboratory testing. Committed to customer satisfaction, AUX offers comprehensive support and global training initiatives, expanding its reach through HVAC exhibitions. With a remarkable 35% growth rate, AUX's customer network spans over 170 countries, solidifying its global brand status. Moving forward, AUX continues to emphasize quality and innovation for intelligent cooperation.



5
Industries

11
Manufacturing
Bases

40000
Employees

No. 1
Growth Rate
for export
market

30 million
Airconditioners

25 million
Electrical
Meters

10
million
Transformers

R&D Strength

6 R&D centers	300 Testing Laboratories	3 CNAS labs	4573 R&D engineers
500 PCB engineers	100 million Average annual investment	120 Leading electronic control staff	6% Annual R&D investment accounting for 6% of the sales

AUX Solar team is always adhered to the philosophy “quality is the footstone, innovation is the soul”. Its market-oriented and focus on the analysis of product technology trends based on the real demands of customers. In order to provide customers the best products and more values. We keep improving the core competitiveness of products, comprehensively to achieve product leadship in solar industry.

Global Certifications

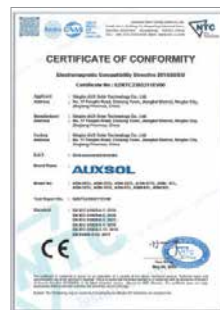
1. EN 50549-1



2. EN IEC 62109



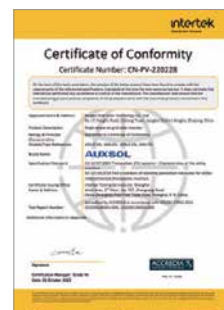
3. EN 61000



4. NC-RFG



5. IEC 61727



6. IEC 62116



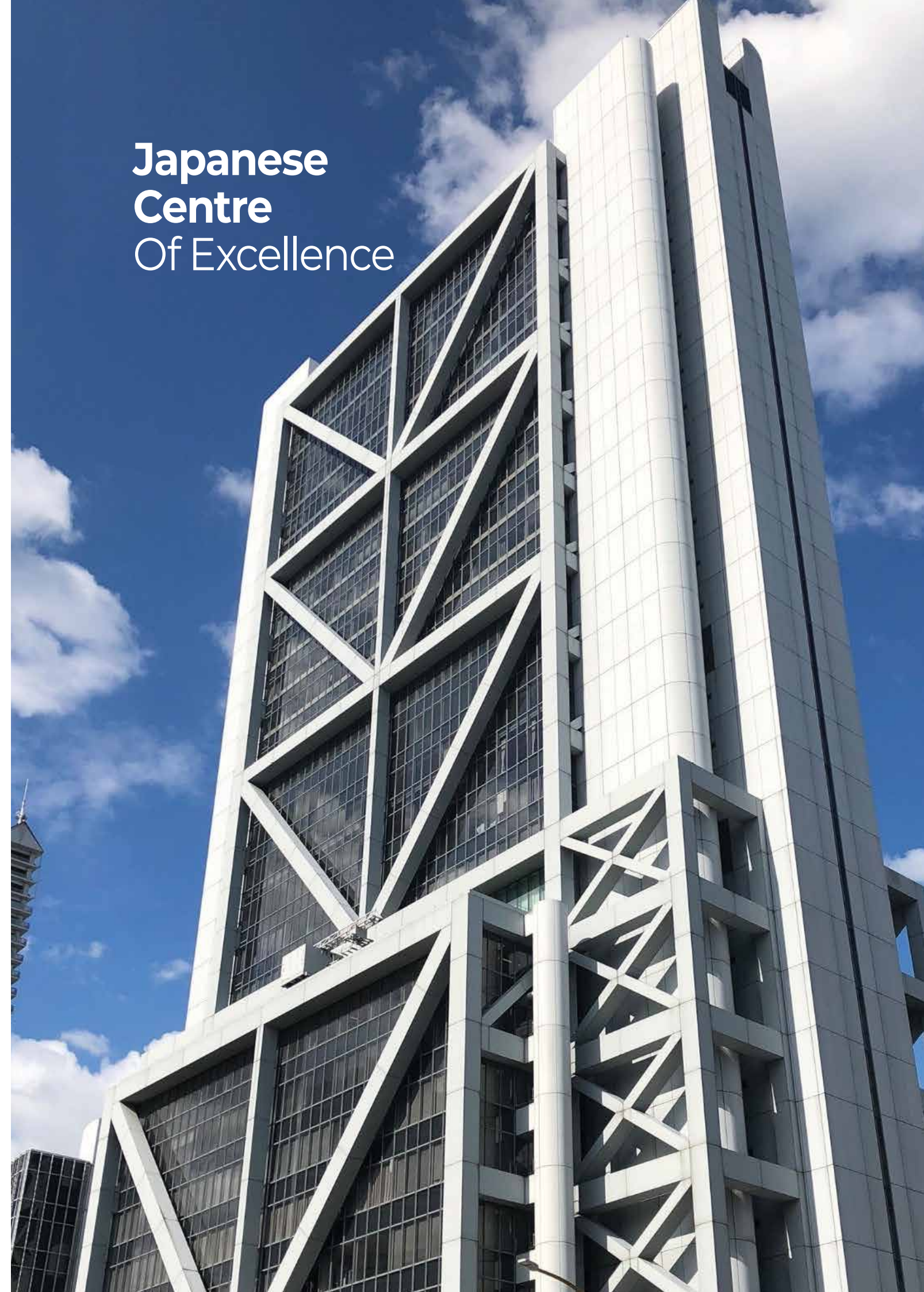
7. IEC 61683



8. INMETRO



Japanese Centre Of Excellence



Milestones



1986

Established
AUX Group



1989

Establishment of
power division
Sanxing Electric



1994

Set up AUX
air conditioning
company



2000

Establishment of
real estate division
– AUX real estate



2006

Establishment of
medical department
- Mingzhou hospital



2011

Sanxing Electric was
listed on Shanghai
Stock Exchange



2015

Brazil and Indonesia
set up overseas
factories



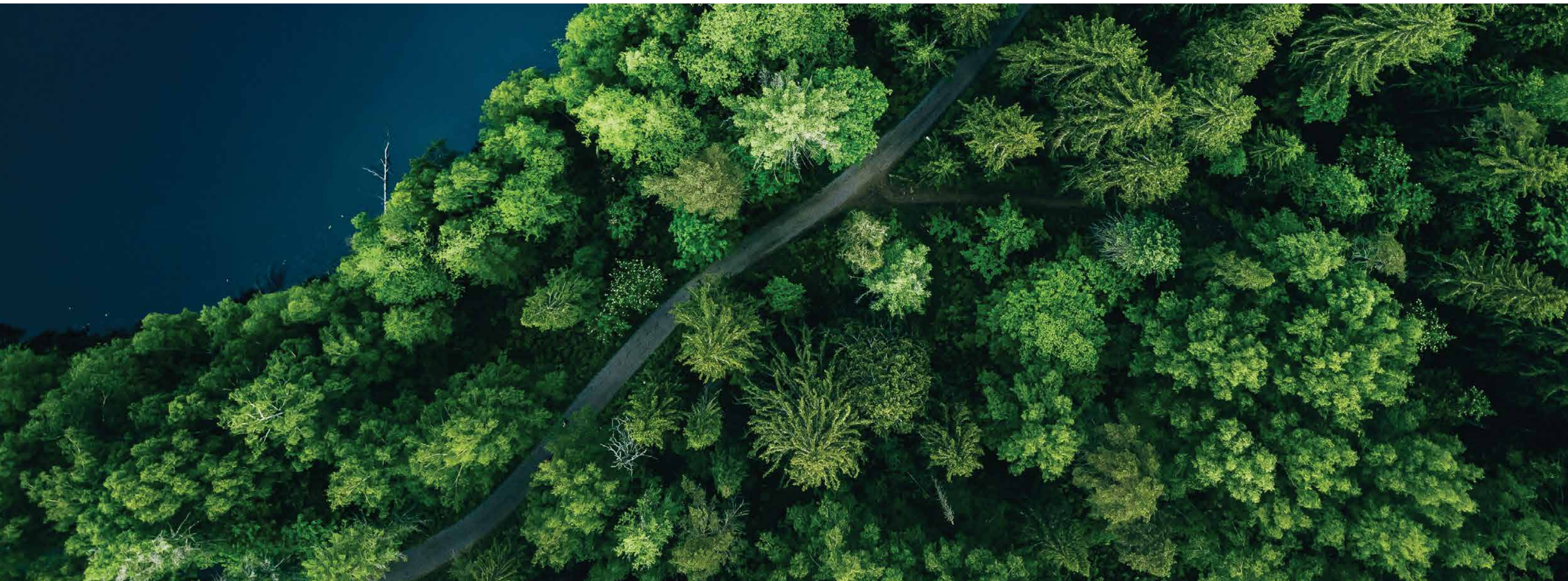
2019

Thailand base
completed



2021

Set up overseas
factories in Poland



Product Lineup



Residential on-Grid Inverters



Single Phase



Three Phase



Storage Hybrid Inverters



Single Phase



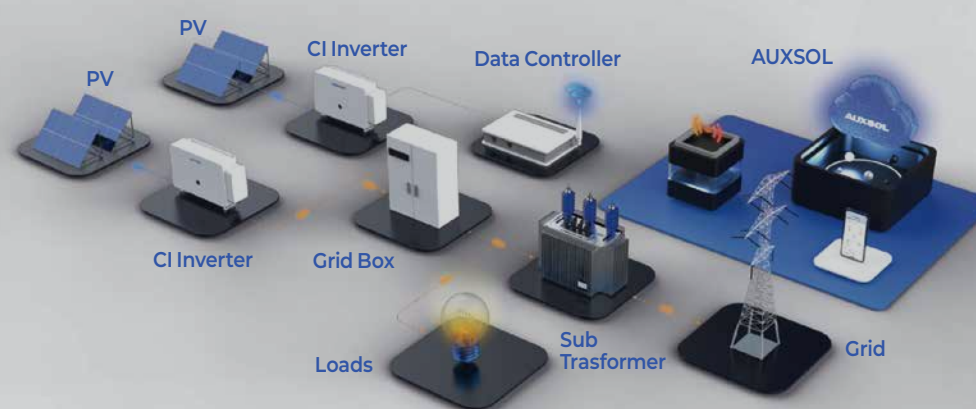
Three Phase



Battery Pack (HV)



Commercial & Industrial Inverters



Commercial Inverter

Reliable Monitoring Platform



Intelligent AI

- IV scan function, one-click to know PV modules status
- Intelligent alarm propelling, more efficient for troubleshooting
- Intelligent local devices comparison



Convenient O&M

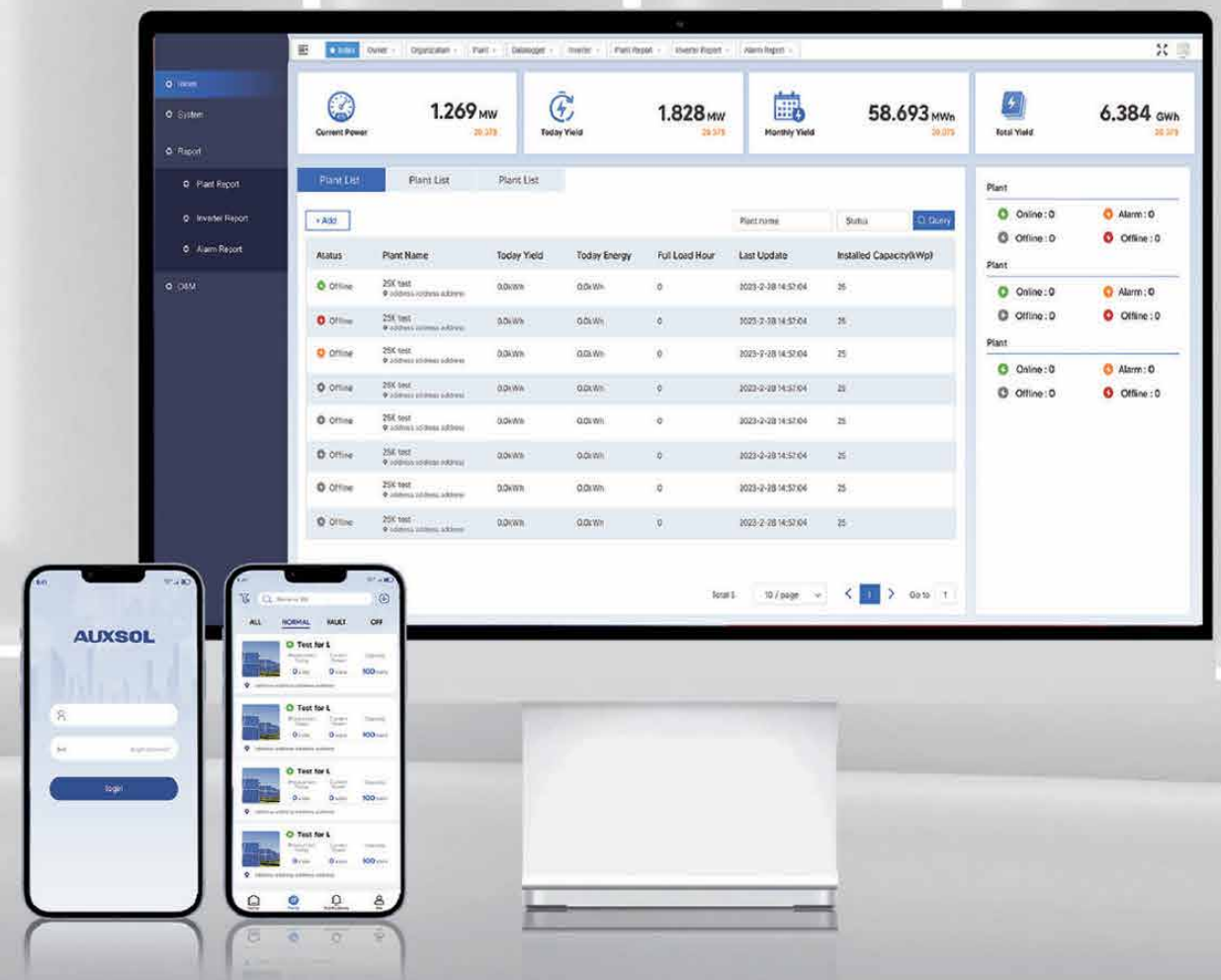
- One-click creating plant & One-click adding device
- Multi-level maintenance, supporting level management
- Multidimensional real-time data, supporting remote configuration
- Large screen display, intuitive & clear



Safe & Reliable

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

AUXSOL Solar Technology



Intelligent Power Management System



On-Grid Inverters

AUXSOL new-design ASN 3.6-110kW series grid-tied inverters, safe, reliable and beautiful, which is the perfect match for household and C&I 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.



ASN-(3.6-5)SL



ASN-(6-8)SL



ASN-(2-25)TL



ASN-(70-110)TL



Single Phase on-Grid Inverters



ASN-3.6SL-PLUS

ASN-4SL-PLUS

ASN-4.6SL-PLUS

ASN-5SL-PLUS

ASN-6SL-PLUS

ASN-7SL

ASN-8SL



80V start-up voltage



Max. 150% DC/AC ratio



Max. efficiency 97.8%



Optional AFCI function



Optional anti-backflow



Wide range of MPPT voltage

Technical Data	ASN-3.6SL-P	ASN-4SL-P	ASN-4.6SL-P	ASN-5SL-P	ASN-6SL-P	ASN-7SL	ASN-8SL
Start-up voltage	80V	80V	80V	80V	80V	80V	80V
MPPT voltage range	80-520V	80-520V	80-520V	80-520V	80-550V	80-550V	80-550V
Max. input current	16A/16A	16A/16A	16A/16A	16A/16A	16A/16A	27A/16A	27A/16A
MPPT number	2	2	2	2	2	2	2
Max. input strings number	2	2	2	2	2	3	3
Max. output power	3.96kW	4.4kW	5.06kW	5.5kW	6kW	7.7kW	8kW
Rated grid output current	16.4A	18.2A	20.9A	22.7A	27.3A	31.8A	36.4A
Max. output current	18A	20A	23A	25A	29.1A	34A	36.4A

Three Phase on-Grid Inverters



ASN-5TL-G2

ASN-6TL-G2

ASN-8TL-G2

ASN-10TL-G2

ASN-12TL

ASN-15TL



String current
up to 20A



Wide range of
1.5x MPPT voltage



Max. 150%
DC/AC ratio



Max. efficiency
98.6%



Optional AFCI
function



I-V
curve scan

Technical Data	ASN-5TL-G2	ASN-6TL-G2	ASN-8TL-G2	ASN-10TL-G2	ASN-12TL	ASN-15TL
Start-up voltage	200V	200V	200V	200V	200V	200V
MPPT voltage range	140-1000V	140-1000V	140-1000V	140-1000V	200-1000V	200-1000V
Max. input current	20A/20A	20A/20A	20A/20A	20A/20A	16A/16A	32A/16A
MPPT number	2	2	2	2	2	2
Max. input strings number	2	2	2	2	2	3
Rated output power	5kW	6kW	8kW	10kW	12kW	15kW
Max.apparent output power	5.5kVA	6.6kVA	8.8kVA	11kVA	13.2kVA	16.5kVA
Rated output current	7.2A	8.7A	11.5A	14.4A	18.2A	22.8A

Three Phase on-Grid Inverters



ASN-17TL

ASN-20TL

ASN-23TL

ASN-25TL



String current up to 32A



Wide range of 1.5x MPPT voltage



Max. 150% DC/AC ratio



Max. efficiency 98.5%



Optional AFCI function



I-V curve scan

Technical Data	ASN-17TL	ASN-20TL	ASN-23TL	ASN-25TL
Start-up voltage	200V	200V	200V	200V
MPPT voltage range	200-1000V	200-1000V	200-1000V	200-1000V
Max. input current	32A/32A	32A/32A	32A/32A	32A/32A
MPPT number	2	2	2	2
Max. input strings number	4	4	4	4
Rated output power	17kW	20kW	23kW	25kW
Max.apparent output power	18.7kVA	22kVA	25.3kVA	27.5kVA
Rated output current	25.7A	30.3A	34.8A	37.8A

Commercial & Industrial Three Phase on-Grid Inverters



ASN-70TL-G2

ASN-75T-G2L

ASN-80TL-G2

ASN-90TL

ASN-100TL

ASN-110TL



String current
up to 48A



Wide range of
1.5x MPPT voltage



Max. efficiency
98.6%



Optional AFCI
function



Optional
anti-backflow



I-V
curve scan

Technical Data	ASN-70TL-G2	ASN-75TL-G2	ASN-80TL-G2	ASN-90TL	ASN-100TL	ASN-110TL
Start-up voltage	180V	180V	180V	195V	195V	195V
Rated voltage	630V	630V	630V	620V	620V	620V
MPPT voltage range	150-1000V	150-1000V	150-1000V	180-1000V	180-1000V	180-1000V
Max. input current	4*48A	4*48A	4*48A	6*32A	10*32A	10*32A
MPPT number	4	4	4	6	10	10
Max. input strings number	12	12	12	12	20	20
Rated output power	70kW	75kW	80kW	90kW	100kW	110kW
Max.apparent output power	77kVA	82.5kVA	88kVA	99kVA	110kVA	121kVA
Rated grid output current	101A	108.3A	115.5A	130A	144.5A	158.8A

Energy Storage - Hybrid Systems

AUXSOL ASG series hybrid inverters can greatly reduce electricity bills and effectively increase self-use (solar power generation) through power output limitation and peak-valley arbitrage mode. ASG series hybrid inverter with ultra-wide MPPT, compatible with various battery types. AUXSOL hybrid solar inverter brings better energy options to users.



ASG-(3.6-6)SL-ZH



ASG-(5-12)TL-ZH



ABL-(T10-20)H-H01



Single Phase Hybrid Inverters



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-hour intelligent
24 energy
management



Easy setting of
smart working
modes

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

Three Phase Hybrid Inverters



ASG-5TL-ZH

ASG-6TL-ZH

ASG-8TL-ZH

ASG-10TL-ZH

ASG-12TL-ZH



String current
up to 16A



Wide range of
MPPT voltage



Remote diagnosis
& update



<10ms
UPS-level
switching



24-hour intelligent
24 energy
management



Easy setting of
smart working
modes

Technical Data	ASG-5TL-ZH	ASG-6TL-ZH	ASG-8TL-ZH	ASG-10TL-ZH	SG-12TL-ZH
Rated voltage	600V	600V	600V	600V	600V
MPPT voltage range	170-900V	170-900V	170-900V	170-900V	170-900V
Max.input current	16A/16A	16A/16A	26A/26A	26A/26A	26A/26A
Max.short circuit current	20A/20A	20A/20A	32A/32A	32A/32A	32A/32A
MPPT number	2	2	2	2	2
Max. input strings number	2	2	4	4	4
Max. charge / discharge current	30A/30A	30A/30A	30A/30A	30A/30A	30A/30A
Back-up switch time	<10ms	<10ms	<10ms	<10ms	<10ms

Battery Packs (HV)



- ABL-T10H-H02
- ABL-T15H-H02
- ABL-T20H-H02
- ABL-T05H-H02
- ABL-T25H-H02



Intelligent
redundant
protection



Remote diagnosis
& update



Easy installation
and low
maintenance



Reliable LFP
technology with high
cycle stability



Flexible
Expansion



Max. IP65
protection

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	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Nominal voltage	102.4V	204.8V	307.2V	409.6V	512V
Operating voltage range	86.4~115.2V	172.8~230.4V	259.2~345.6V	345.6~460.8V	432~576V
Max. charge current	32A	32A	32A	32A	32A
Max. discharge current	32A	32A	32A	32A	32A
Calendar life	>6000 (70% EOL)	>6000 (70% EOL)	>6000 (70% EOL)	>6000 (70% EOL)	>6000 (70% EOL)

EV Chargers



Max. IP65 protection



Safe



Easy installation and low maintenance



Energy saving



High Grade Electrical Components

Technical Data	EV Charger
Rated Power	7KW~22KW(configurable)
AC Input Voltage	3*230V/400V±15%
AC Input Current	32A
AC Output Voltage	3*230V/400V±15%
AC Output Curren	32A
Operating Environment	Indoor / outdoor
Operating Temperature	-20°C~ 50°C
Protection Rating	IP65
Cooling Mode	Natural Air Cooling

Three Phase Electrical Meter



Max current 80A
direct access



CE
certification



Bidirectional
metering

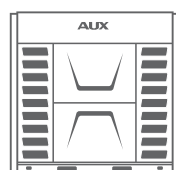


RS485
Modbus

Technical Data	N34G12
Power refreshing time	20ms
Start-up current	0.4%Ib
Communication interface	RS485
Signal	Active
AC withstand voltage	4kV
Pulse withstand voltage	4kV
Electrostatic discharge	8kV contact discharge 15kV air discharge
Appearance size	100*72*66mm

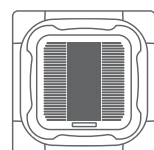
INTELLIGENT LIVING SOLUTIONS

AUX



Commercial Systems

The ARV 7 Series offers versatile climate solutions with advanced efficiency, supporting a wide range of applications. Engineered for optimal performance, it ensures reliable comfort, easy integration, and sustainable operation.



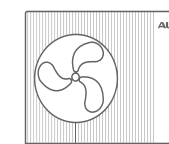
Light commercial & multi systems

Aux light commercial and multi system air conditioning systems offer efficient, flexible cooling and heating solutions for businesses with varying needs and multiple.



Residential Systems

AUX Residential air conditioners cover all needs, including premium design, high efficiency, and high comfort features, ensuring optimal performance and aesthetic appeal.



Heat Pump Systems

Aux offers a complete, reliable, and efficient heat pump range, from R290 high-temperature systems to the all-new design of the R32 monobloc.



Energy Management

Auxsol inverters cater to residential and commercial use, offering on-grid, hybrid, and battery storage systems for versatile and efficient energy solutions.

Our
product
range



Supply Chain

Opticlima maintains seamless operations through strategically located warehouses, digitized processes, and a responsive logistics team, ensuring timely deliveries.

Technical Services

Our centralized Service Operating Centre (SOC) manages island-wide teams, enabling quick response to technical issues and delivering detailed reports after commissioning.

Project Management

Our streamlined project management process ensures customer satisfaction by efficiently coordinating project stages, meeting key milestones, and providing comprehensive reports throughout the project lifecycle.

Our Commitment

Mission

To provide innovative, eco-friendly solutions for heating, cooling, water treatment, and sustainable energy, with a focus on comfort, safety, and sustainability.

Vision

To be a leader in intelligent living solutions, recognized for excellence, environmental responsibility, social commitment, and customer satisfaction.

Opticlima's Edge

Our dedication to excellence, environmental responsibility, and customer satisfaction makes us your trusted partner for intelligent living solutions.





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