2024_10

AUXSOL

WIN GREEN FUTURE TOGETHER

Ningbo AUX Solar Import & Export Co., Ltd.

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CONTENTS

38 Years	$12 Billion	5	$10 Billion	500	30000+
History	Revenue in 2023	Business Industries	Assets	China's Top	Employees

- Ningbo AUX Solar Technology Co., Ltd. ("AUX Solar") is a 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.

AUX

YINZHOU, NINGBO

1000,000 ㎡

JIANGBEI, NINGBO

367,000 ㎡

GAOXIN, NINGBO

283,000 ㎡

NANCHANG

820,000 ㎡

TIANJIN

350,000 ㎡

WUHU

400,000 ㎡

ZHENGZHOU

1000,000 ㎡

MAANSHAN

660,000 ㎡

BRAZIL

8,000 ㎡

INDONESIA

7,000 ㎡

THAILAND

11,300 ㎡

POLAND

3,300 ㎡

GERMAN

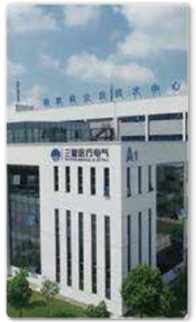
2000 ㎡

MEXICO

8000 ㎡

14 Manufacturing Bases
11 Overseas Companies

6 R&D Centers



NINGBO

HANGZHOU

NANJING

ZHUHAI

SHENZHEN

JAPAN

Milestone AUX Group

1986 Establish

1989

Establishment of power division-Sanxing Electritic

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

2023

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

2024 Set up easymeter factories in Germany

R&D Strength

Ningbo AUXSOL Technology Co., Ltd. (hereinafter referred to as 'AUXSOL'), with a registered capital of USD 44 million, is a wholly-owned subsidiary of AUX group, 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 IEC 62109

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

ONE-STOP

All Developed and Manufactured By AUX

150%
PV Input Power

10ms
Automatic Switching

97.4%
Max Conversion Efficiency

5m
Battery Drop Test

IP66
Water/dust Profection

97.4%
Max Battery Charge Efficiency

Product Introduction

3.6-6 kW SINGLE PHASE | 7-10 kW SINGLE PHASE | 5-10 kW-G2 THREE PHASE | 5-25 kW THREE PHASE | 12-30 kW-G2 THREE PHASE | 33-40 kW THREE PHASE

Residential On-Grid Solution

3.6-6 kW SINGLE PHASE | 5-12 kW THREE PHASE | 15-20 kW THREE PHASE | 5.3-26.5kWh BATTERY

Residential Hybrid Solution

50-80 kW-G2 THREE PHASE | 70-110 kW THREE PHASE

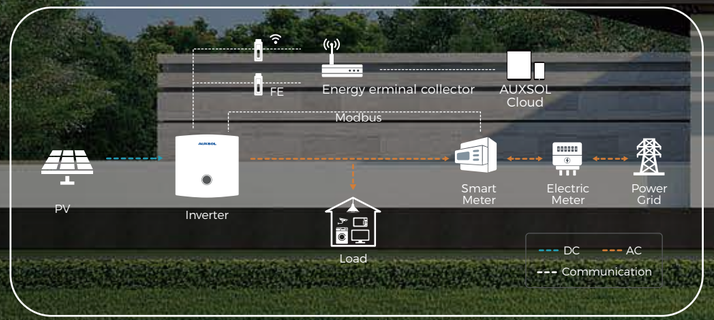
C&I On-Grid Solution

Residential On-Grid Solution

The household system solution mainly consists of components such as photovoltaics, inverters, and grid cages. Our household grid connected photovoltaic system solution covers a power range of 5-40kW and can be applied to different distributed household photovoltaic projects, providing better energy solutions for different households.

- The AUXSOL household product series mainly consists of small three-phase series inverters for household use, supporting 4G/wifi/RS485 communication to access the cloud monitoring platform
- The product can provide high-quality photovoltaic systems through different application scenarios and requirements
- Users can download monitoring apps from their computers or mobile phones to view their earnings in real-time on the intelligent monitoring platform, making the operation more convenient and easy to manage

3.6-6 kW SINGLE PHASE | 7-10 kW SINGLE PHASE | 5-10 kW-G2 THREE PHASE | 5-25 kW THREE PHASE | 12-30 kW-G2 THREE PHASE | 33-40 kW THREE PHASE



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-9SL | ASN-10SL

- 80V start-up voltage
- Max. efficiency 98.1%
- Max. IP66 protection
- Max. 150% DC/AC ratio
- Optional AFCI function
- Wide range of MPPT voltage

	ASN-3.6SL-PLUS	ASN-4SL-PLUS	ASN-4.6SL-PLUS	ASN-5SL-PLUS	ASN-6SL-PLUS	ASN-7SL	ASN-8SL	ASN-9SL	ASN-10SL
Input DC									
Max.input power	5.4kW	6kW	6.9kW	7.5kW	9kW	10.5kW	12kW	18kW	20kW
Max.input voltage	550V					600V			
Rated voltage	380V					380V			
Start-up voltage	80V					80V		40V	
MPPT voltage range	80~520V					80~550V		40~550V	
Max.input current	16A/16A					27A/16A		32A/16A	
Max.short circuit current	20A/20A					35A/20A		40A/20A	
MPPT number	2					2		2	2
Max. input strings number	2					3		2	3
MPPT Range Full Load	180-500V	190-500V	200-500V	210-500V	230-500V	/		/	/
Output AC									
Rated output power	3.6kW	4kW	4.6kW	5kW	6kW	7kW	8kW	9kW	10kW
Max.apparent output power	3.96kVA	4.4kVA	5.06kVA	5.5kVA	6kVA	7.7kVA	8.3kVA	9kVA	10kVA
Max.output power	3.96kW	4.4kW	5.06kW	5.5kW	6kW	7.7kW	8kW	9kW	10kW
Rated grid voltage	1/N/PE,220V/230V/240V					1/N/PE,220V/230V/240V			
Rated grid frequency	50Hz/60Hz					50Hz/60Hz			
Rated grid output current	16.4A	18.2A	20.9A	22.7A	27.3A	31.8A	36.4A	40.9A	45.5A
Max.output current	18A	20A	23A	25A	27.3A	34A	36.4A	40.9A	45.5A
Power factor	1 (0.8 Leading ~ 0.8 Lagging)					1 (0.8 Leading ~ 0.8 Lagging)			
THDi	<3%					<3%			
Efficiency									
Max. efficiency	97.7%					97.80%		98.1%	
EU efficiency	97.0%					97.30%		97.6%	
Protection									
Integrated DC switch	Yes					Yes			
DC rever-polarity protection	Yes					Yes			
Anti-islanding protection	Yes					Yes			
Short circuit Protection	Yes					Yes			
Output over currentprotection	Yes					Yes			
Strings monitoring	Yes					/			
DC Surge protection	Type II					Type II			
AC Surge protection	Type II					Type II			
Insulation impedance detection	Yes					Yes			
Residual leakage current detection	Yes					Yes			
Temperature protection	Yes					Yes			
AC Over voltage protection	Yes					Yes			
DC Over current protection	Yes					Yes			
Anti-backflow	Optional					Optional			
Integrated AFCI (DC arc-fault circuit protection)	Optional					Optional			
General Data									
Dimensions (W*H*D)	355*430*152mm					400*383*177mm			
Weight	11Kg					15.6kg			
Self consumption(night)	≤1W					≤0.3W		≤1W	
Operating temperature Range	-30...+60°C					-25...+60°C		-30...+60°C	
Cooling concept	Natural Cooling					Natural Cooling			
Max. operation altitude	4000m (Derating above 3000m)					4000m (Derating above 3000m)			
Relative humidity	0~100%					0-100%			
Ingress protection	IP66					IP66			
Topology structure	Transformerless					Transformerless			
Grid connection stadard	EN 50549-1,IEC 61727,IEC 62116,IEC 61683,UNE 217001,UNE 217002,NTS-631					EN 50549-1,IEC 61727,IEC 62116,IEC 61683,UNE 217001,UNE 217002,NTS-631			
Safety/EMC standard	IEC/EN 62109-1/2,EN IEC61000-6-1/2/3/4,EN IEC 61000-3-11,EN 61000-3-12					IEC/EN 62109-1/2,EN IEC61000-6-1/2/3/4,EN IEC 61000-3-11,EN 61000-3-12			
Type of DC terminal	MC4 connector					MC4 connector			
Type of AC terminal	Quick connection plug					Quick connection plug			
Display&Communication									
Display	LCD+LED+Bluetooth+APP					LED+Bluetooth+APP		LED+Bluetooth+APP,Optional:LCD	
Communication Interface	RS485,Optional:WIFI,4G,LAN					RS485,Optional:WIFI,4G,LAN			

THREE PHASE ON-GRID INVERTER

ASN-5TL-G2 | ASN-6TL-G2 | ASN-8TL-G2 | ASN-10TL-G2

- String current up to 20A
- Wide range of MPPT voltage
- Max. 150% DC/AC ratio
- Max. efficiency 98.6%
- Optional AFCI function
- Max. IP66 protection

	ASN-5TL-G2	ASN-6TL-G2	ASN-8TL-G2	ASN-10TL-G2
Input DC				
Max.input voltage	1100V			
Rated voltage	620V			
Start-up voltage	140V			
MPPT voltage range	140-1000V			
Max.input current	20A/20A			
Max.short circuit current	25A/25A			
MPPT number	2			
Max.input strings number	2			
Output AC				
Rated output power	5kW	6kW	8kW	10kW
Max.apparent output power	5.5kVA	6.6kVA	8.8kVA	11kVA
Max.output power	5.5kW	6.6kW	8.8kW	11kW
Rated grid voltage	220V/380V,230V/400V,3/N/PE			
Grid voltage range	162-300V(Phase voltage),280-520V(Line voltage)			
Rated grid frequency	50Hz/60Hz			
Rated grid output current	7.2A	8.7A	11.5A	14.4A
Max.output current	7.9A	9.5A	12.7A	15.9A
Power factor	1 (0.8 Leading ~ 0.8Lagging)			
THDi	<3%			
Efficiency				
Max. efficiency	98.60%			
EU efficiency	98.3%			
MPPT efficiency	99.80%			
Protection				
Integrated DC switch	Yes			
DC rever-polarity protection	Yes			
Anti-islanding protection	Yes			
Short circuit protection	Yes			
Output over currentprotection	Yes			
DC Surge protection	Type II			
AC Surge protection	Type II			
Insulation impedance detection	Yes			
Ground fault monitoring	Yes			
Residual leakage current detection	Yes			
Temperature protection	Yes			
AC Over voltage protection	Yes			
DC Over current protection	Yes			
I/V Curve scanning	Yes			
24-hour load monitoring	Optional			
Anti-backflow	Optional			
Integrated AFCI (DC arc-fault circuit protection)	Optional			
General Data				
Dimensions(W*H*D)	448*336*174mm			
Weight	12.6kg			
Self Consumption(night)	<1W			
Operating Temperature Range	-30...+60°C			
Cooling Concept	Natural Cooling			
Max. Operation Altitude	4000m (Derating above 3000m)			
Relative Humidity	0-100%			
Ingress Protection	IP66			
Topology Structure	Transformerless			
Grid connection stadard/Safety/EMC standard	IEC/EN 62109-1/2,EN IEC61000-6-1/2/3/4，EN IEC 61000-3-11，EN 61000-3-12，NB/T32004，EN 50549-1			
Type of DC terminal	MC4 connector			
Type of AC terminal	Quick connection plug			
Display&Communication				
Display	LED+Bluetooth+APP（Optional:LCD）			
Communication Interface	RS485,Optional:WIFI,4G，LAN			

THREE PHASE
ON-GRID INVERTER

ASN-5TL | ASN-6TL | ASN-8TL | ASN-10TL | ASN-12TL | ASN-15TL | ASN-17TL | ASN-20TL | ASN-23TL | ASN-25TL

- 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

	ASN-5TL	ASN-6TL	ASN-8TL	ASN-10TL	ASN-12TL	ASN-15TL	ASN-17TL	ASN-20TL	ASN-23TL	ASN-25TL
Input DC										
Max.input power	7.5kW	9kW	12kW	15kW	18kW	22kW	22kW	26kW	30kW	32kW
Max.input voltage	1100V									
Rated voltage	620V									
Start-up voltage	200V									
MPPT voltage range	200-1000V									
Max.input current	16A/16A					32A/16A	32A/32A			
Max.short circuit current	20A/20A					40A/20A	40A/40A			
MPPT number	2						2			
Max. input strings number	2					3	4			
Output AC										
Rated output power	5kW	6kW	8kW	10kW	12kW	15kW	17kW	20kW	23kW	25kW
Max.apparent output power	5.5kVA	6.6kVA	8.8kVA	11kVA	13.2kVA	16.5kVA	18.7kVA	22kVA	25.3kVA	27.5kVA
Rated grid voltage	220V/380V,230V/400V,3/N/PE									
Grid voltage range	178V-276V(Phase voltage),308-478(Line voltage)									
Rated grid frequency	50Hz/60Hz									
Rated output current	7.6A	9.1A	12.1A	15.2A	18.2A	22.8A	25.7A	30.3A	34.8A	37.8A
Max.output current	8.4A	10A	13.3A	16.7A	20.1A	25.1A	28.3A	33.3A	38.3A	39.8A
Power factor	1 (0.8 leading...0.8 lagging)									
THDi	<3%									
Efficiency										
Max.efficiency	98.30%					98.50%	98.50%			
EU efficiency	97.70%					97.80%	98%			
MPPT efficiency	99.80%					99.80%	99.80%			
Protection										
Integrated DC switch	Yes									
DC rever-polarity protection	Yes									
Anti-islanding protection	Yes									
Short circuit protection	Yes									
Output over current protection	Yes									
DC Surge protection	Type II									
AC Surge protection	Type II									
Insulation impedance detection	Yes									
Ground fault monitoring	Yes									
Residual leakage current detection	Yes									
Temperature protection	Yes									
AC Over voltage protection	Yes									
DC Over current protection	Yes									
Strings monitoring	Optional									
Anti-backflow	Optional									
Integrated AFCI (DC arc-fault circuit protection)	Optional									
I/V Curve scanning	Optional									
General Data										
Dimensions (W*H*D)	455*462*214mm									
Weight	25Kg									
Self consumption(night)	<1W									
Operating temperature range	-30 ... +60°C									
Cooling concept	fan-cooling									
Max. operation altitude	4000m (Derating above 3000m)									
Relative humidity	0-100%									
Ingress protection	IP66									
Topology structure	Transformerless									
Grid connection stadard	NB/T32004,EN 50549-1,IEC 61727,IEC 62116,IEC 61683,UNE 217001,UNE 217002,NTS-631,PSE,PTPIREE,NC RfG									
Safety/EMC standard	EN IEC61000-6-1/2/3/4,EN IEC 61000-3-11,EN 61000-3-12									
Type of DC terminal	MC4 connector									
Type of AC terminal	OT terminal									
Display&Communication										
Display	LED+Bluetooth+APP									
Communication Interface	RS485,Optional:WIFI,4G									

THREE PHASE ON-GRID INVERTER

ASN-30TL-G2

- Maximum string current of 20A
- Wide range of MPPT voltage
- Max. 150% DC/AC ratio
- Max. efficiency 98.6%
- Optional AFCI function
- Max. IP66 protection

	ASN-30TL-G2
Input DC	
Max.input power	45kW
Max.input voltage	1100V
Rated voltage	620V
Start-up voltage	160V
MPPT voltage range	150-1000V
Max.input current	40A/32A/32A
Max.short circuit current	50A/40A/40A
MPPT number	3
Max. input strings number	6
Output AC	
Rated output power	30kW
Max.apparent output power	33kVA
Max.output power	33kW
Rated grid voltage	220V/380V,230V/400V,3/N/PE
Grid voltage range	162-300V(Phase voltage),280-520V(Line voltage)
Rated grid frequency	50Hz/60Hz
Rated grid output current	43.3A
Max.output current	47.6A
Power factor	1(0.8 leading ... 0.8 lagging)
THDi	<3%
Efficiency	
Max.efficiency	98.60%
EU efficiency	98.20%
MPPT efficiency	99.80%
Protection	
Integrated DC switch	Yes
DC rever-polarity protection	Yes
Anti-islanding protection	Yes
Short circuit protection	Yes
Output over current protection	Yes
DC Surge protection	Type II
AC Surge protection	Type II
Insulation impedance detection	Yes
Ground fault monitoring	Yes
Residual leakage current detection	Yes
Temperature protection	Yes
AC Over voltage protection	Yes
DC Over current protection	Yes
Strings monitoring	Optional
24-hour load monitoring	Optional
Integrated AFCI (DC arc-fault circuit protection)	Optional
Integrated PID recovery	Optional
Anti-backflow	Optional
General Data	
Dimensions (W*H*D)	524*419*198mm
Weight	24.5kg
Self consumption(night)	<1W
Operating temperature range	-30...+60 C
Cooling concept	fan-cooling
Max. operation altitude	4000m (Derating above 3000m)
Relative humidity	0-100%
Ingress protection	IP66
Topology structure	Transformerless
Grid connection stadard	NB/T32004, EN 50549-1, IEC 61727, IEC 62116, IEC 61683, VDE 4105
Safety/EMC standard	EN IEC61000-6-1/2/3/4、EN IEC 61000-3-11、EN 61000-3-12
Type of DC terminal	MC4 connector
Type of AC terminal	OT terminal
Display&Communication	
Display	LED+Bluetooth+APP（Optional:LCD)
Communication Interface	RS485,Optional:WIFI,4G,LAN

THREE PHASE ON-GRID INVERTER

ASN-33TL | ASN-36TL | ASN-40TL

- Maximum string current of 20A
- Wide range of MPPT voltage
- Max. 150% DC/AC ratio
- Max. efficiency 98.6%
- Optional AFCI function
- Max. IP66 protection

	ASN-33TL	ASN-36TL	ASN-40TL
Input DC			
Max.input power	49.5kW	54kW	60kW
Max.input voltage		1100V	
Rated voltage		600V	
Start-up voltage		180V	
MPPT voltage range		160-1000V	
Max.input current		40A/40A/20A	40A/40A/20A/20A
Max.short circuit current		50A/50A/25A	50A/50A/25A/25A
MPPT number		3	4
Max. input strings number		5	6
Output AC			
Rated output power	33kW	36kW	40kW
Max.apparent output power	36.3kVA	39.6kVA	44kVA
Max.output power	36.3kW	39.6kW	44kW
Rated grid voltage		220V/380V,230V/400V,3/N/PE	
Grid voltage range		162-300V(Phase voltage),280-520V(Line voltage)	
Rated grid frequency		50Hz/60Hz	
Rated grid output current	47.6A	52A	57.7A
Max.output current	52.4A	57.2A	63.5A
Power factor		1 (0.8 Leading ~ 0.8Lagging)	
THDi		<3%	
Efficiency			
Max. Efficiency		98.60%	
EU Efficiency		98.30%	
MPPT efficiency		99.80%	
Protection			
Integrated DC switch		Yes	
DC rever-polarity protection		Yes	
Anti-islanding protection		Yes	
Short circuit protection		Yes	
Output over current protection		Yes	
DC Surge protection		Type II	
AC Surge protection		Type II	
Insulation impedance detection		Yes	
Ground fault monitoring		Yes	
Residual leakage current detection		Yes	
Temperature protection		Yes	
AC Over voltage protection		Yes	
DC Over current protection		Yes	
Strings monitoring		Optional	
24-hour load monitoring		Optional	
Integrated AFCI (DC arc-fault circuit protection)		Optional	
Integrated PID recovery		Optional	
Anti-backflow		Optional	
General Data			
Dimensions (W*H*D)		568*443*228mm	
Weight		35kg	
Self consumption(night)		<1W	
Operating temperature range		-30...+60℃	
Cooling concept		fan-cooling	
Max. operation altitude		4000m (Derating above 3000m)	
Relative humidity		0-100%	
Ingress protection		IP66	
Topology structure		Transformerless	
Grid connection stadard		NB/T32004， EN 50549-1	
Safety/EMC standard		IEC/EN 62109-1/2,EN IEC61000-6-1/2/3/4,EN IEC 61000-3-11,EN 61000-3-12	
Type of DC terminal		MC4 connector	
Type of AC terminal		Quick connection plug	
Display&Communication			
Display		LED+Bluetooth+APP（Optional:LCD)	
Communication Interface		RS485,Optional:WIFI,4G,LAN	

Residential Hybrid Solution

The AUXSOL 3-20kW energy storage system solution can be used in different outdoor scenarios. During the day, when the sun is abundant, excess electricity is stored in the battery, and at night, the battery is discharged for use by electrical equipment.

- The AUXSOL inverter is compatible with multiple brands of batteries, supports online switching of multiple working modes, active SOC calibrationother functions.
- The off grid switching time is less than 10ms,
- There is no sensitive switching of critical loads;
- Support 100% off grid load imbalance output,
- The off grid side supports a maximum overload output of 200%.

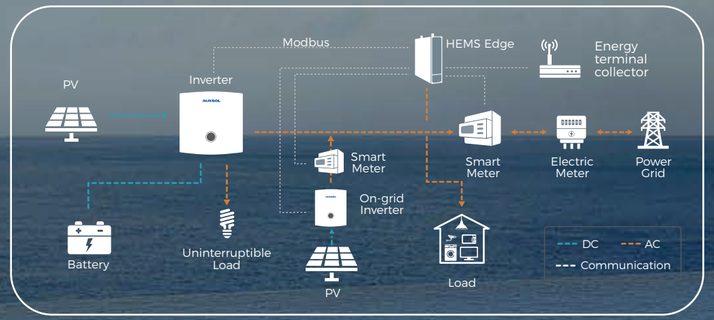
AUX Yongneng is committed to creating stable, efficient, and reliable energy system solutions to maximize the satisfaction of solar self use needs and save electricity costs for users.

3.6-6 kW
SINGLE PHASE

5-12 kW
THREE PHASE

15-20 kW
THREE PHASE

5.3-26.5kWh
BATTERY PACK



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-hour intelligent energy management
- Max. IP66 protection

Protection	
Integrated DC switch	Yes
DC rever-polarity protection	Yes
Anti-islanding protection	Yes
Short circuit protection	Yes
Output over current protection	Yes
DC Surge protection	Type II
AC Surge protection	Type II
Insulation impedance detection	Yes
Ground fault monitoring	Yes
Residual leakage current detection	Yes
Temperature protection	Yes
Battery reverse protection	Yes
AC Over voltage protection	Yes
DC Over current protection	Yes
I/V Curve scanning	Optional
24-hour load monitoring	Optional
Integrated AFCI (DC arc-fault circuit protection)	Optional
Anti-backflow	Optional
LVRT	Optional
General Data	
Dimensions (W*H*D)	455*461*213mm
Weight	19kg
Self consumption(night) (Rated voltage)	≤13W
Operating temperature range	-30...+60℃
Cooling concept	Natural Cooling
Max. operation altitude	4000m (Derating above 3000m)
Relative humidity	0-100%
Ingress protection	IP66
Topology structure	Transformerless
Grid connection stadard	EN 50549-1,IEC 61727,IEC 62116,IEC 61683,UNE 217001,UNE 217002,NTS-631,PSE,PTPIREE,NC RfG
Safety/EMC standard	IEC/EN 62109-1/2,IEC/EN 62477-1, EN IEC61000-6-1/2/3/4, EN IEC 61000-3-11, EN 61000-3-12
Type of DC terminal	MC4 connector
Type of AC terminal	Quick connection plug
Display&Communication	
Display	LED+Bluetooth+APP
Communication interface	RS485,Optional:WIFI,4G

	ASG-3.6SL-ZH	ASG-4SL-ZH	ASG-4.6SL-ZH	ASG-5SL-ZH	ASG-6SL-ZH
Input DC					
Max.input voltage	550V				
Rated voltage	360V				
MPPT voltage range	90-520V				
Max.input current	16A/16A				
Max.short circuit current	20A/20A				
MPPT number	2				
Max. input strings number	2				
Maximum input power of a single MPPT	3.6kW	4kW		5kW	
Battery					
Battery type	Li-ion				
Rated battery voltage	350V				
Battery voltage range	80V-480V				
Max. charge / discharge current	30A/30A				
Communication	CAN/RS485				
Charging strategy for Li-Ion battery	Self-adaption to BMS				
Output AC (Grid side)					
Rated output power	3.6kW	4kW	4.6kW	5kW	6kW
Max. apparent output power	3.96kVA	4.4kVA	4.96kVA	5.5kVA	6.6kVA
Rated grid voltage	220 V / 230 V				
Rated grid frequency	50Hz/60Hz				
Max. output current	17.2A	19.1A	22A	23.9A	28.7A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)				
THDi	<3%				
Input AC (Grid side)					
Max. input power	4.8kW	5.3kW	6.2kW	6.7kW	8kW
Max. input current	21A	23A	26.8A	29.1A	34.8A
Rated input voltage	1/N/PE, 220 V / 230 V				
Rated input frequency	50 Hz / 60 Hz				
Output AC (Back-up)					
Rated output power	3.6kW	4kW	4.6kW	5kW	6kW
Max. apparent output power	4.3kVA	4.8kVA	5.5kVA	6kVA	7.2kVA
Max. output current	15.6A	17.4A	20A	21.7A	26A
Back-up switch time	<10ms				
Rated output voltage	220V/230V				
Rated frequency	50 Hz / 60 Hz				
THDv	<2%				
Efficiency					
Max.efficiency	97.8%				
EU efficiency	96.8%				
BAT charged by PV Max. efficiency	97.2%				
BAT charged/discharged to AC Max. efficiency	97.6%				
MPPT efficiency	99.8%				

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
- UPS <10ms UPS-level switching
- 24h 24-hour intelligent energy management
- Max. IP66 protection

Protection		
Integrated DC switch	Yes	
DC reverse-polarity protection	Yes	
Anti-islanding protection	Yes	
Short circuit protection	Yes	
Output over current protection	Yes	
DC Surge protection	Type II	
AC Surge protection	Type II	
Insulation impedance detection	Yes	
Ground Fault Monitoring	Yes	
Residual leakage current detection	Yes	
Temperature protection	Yes	
Battery reverse protection	Yes	No
AC Over voltage protection	Yes	
DC Over current protection	Yes	
I/V Curve scanning	Optional	
24-hour load monitoring	Optional	
Integrated AFCI (DC arc-fault circuit protection)	Optional	
Anti-backflow	Optional	
LVRT	Optional	
Parallel	Optional	
General Data		
Dimensions (W*H*D)	561*520*232mm	
Weight	33.2kg	37.8kg
Self consumption(night) (Rated voltage)	< 20W	
Operating temperature range	-30...+60℃	
Cooling concept	Natural Cooling	Smart Fan Cooling
Max. operation altitude	4000m (Derating above 3000m)	
Relative humidity	0-100%	
Ingress protection	IP66	
Topology Structure	Transformerless	
Grid connection standard	EN 50549-1,IEC 61727,IEC 62116,IEC 61683,UNE 217001,UNE 217002,NTS-631,PSE,PTPiREE,NC RfG	
Safety/EMC standard	IEC/EN 62109-1/2,IEC/EN 62477-1,EN IEC61000-6-1/2/3/4,EN IEC 61000-3-11,EN 61000-3-12	
Type of DC terminal	MC4 connector	
Battery connection type	MC4 connector	
Type of AC terminal (Back-up)	Quick connection plug	
Type of AC terminal (Grid side)	Quick connection plug	
Display&Communication		
Display	LED+Bluetooth+APP（Optional:LCD)	
Communication interface	RS485,WIFI, Optional:4G	

	ASG-5TL-ZH	ASG-6TL-ZH	ASG-8TL-ZH	ASG-10TL-ZH	ASG-12TL-ZH	ASG-15TL-ZH	ASG-20TL-ZH
Input DC							
Max.input power	7.5kW	9kW	12kW	15kW	18kW	22.5kW	30kW
Max.input voltage	1000V						
Rated voltage	600V						
Start-up voltage	160V						
MPPT voltage range	170-900V						
Max.input current	16A/16A		26A/26A			36A/36A	36A/36A
Max.short circuit current	20A/20A		32A/32A			45A/45A	45A/45A
MPPT number	2						
Max. input strings number	2		4				
Battery							
Battery type	Li-ion						
Battery Voltage Range	180-800V						
Number of battery input channels	1					2	
Max. charge / discharge current	30A/30A					2*30A/2*30A	
Communication	CAN/RS485						
Charging Strategy for Li-Ion Battery	Self-adaption to BMS						
Output AC (Grid side)							
Rated output power	5kW	6kW	8kW	10kW	12kW	15kW	20kW
Max. apparent output power	5kVA	6kVA	8kVA	10kVA	12kVA	15kVA	20kVA
Max. output current	11.4A	13.6A	18.2A	22.7A	27.3A	34.1A	45.5A
Grid voltage range	165-288V(Phase voltage),286-498V(Line voltage)						
Rated grid voltage	220V/380V,230V/400V,3/N/PE						
Rated grid frequency	50Hz/60Hz						
Power Factor	>0.99 (0.8 leading ... 0.8 lagging)						
THDi	< 3%						
Input AC (Grid side)							
Rated input power	5kW	6kW	8kW	10kW	12kW	15kW	20kW
Max. input power	10kW	12kW	16kW	20kW	24kW	30kW	30kW
Max. apparent input power	10kVA	12kVA	16kVA	20kVA	24kVA	30kVA	30kVA
Max. input current	15.2A	18.2A	24.2A	30.3A	36.4A	45.5A	45.5A
Rated input voltage	220V/380V,230V/400V,3/N/PE						
Rated input frequency	50 Hz / 60 Hz						
Output AC (Back-up)							
Rated output power	5kW	6kW	8kW	10kW	12kW	15kW	20kW
Max. output current	7.6A	9.1A	12.1A	15.2A	18.2A	22.7A	30.3A
Back-up switch time	< 10ms						
Rated output voltage	220V/380V,230V/400V,3/N/PE						
Rated frequency	50 Hz / 60 Hz						
THDv	< 2%						
Input DC							
Max.efficiency	97.34%						
EU efficiency	96.45%						
BAT charged/discharged Max. efficiency	97.35%						
MPPT efficiency	99.80%						

BATTERY(HV)

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

ABL-T25H-H02

- passes five-meter drop test, puncture test
- Optional heating module
- Intelligent redundant protection
- Remote diagnosis & update
- Easy installation and low maintenance
- Reliable LFP technology with high cycle stability
- Flexible Expansion

	ABL-T05H-H02	ABL-T10H-H02	ABL-T15H-H02	ABL-T20H-H02	ABL-T25H-H02
Battery					
BDU code	ABL-BDU-H02				
Battery module code	ABL-P05H-H02				
Number modules	1	2	3	4	5
Nominal Battery Energy	5.3kWh	10.6kWh	15.9kWh	21.2kWh	26.5kWh
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
Nominal power	3kW	6kW	9kW	12kW	15kW
Battery module	32S1P, 5.3kWh				
Cell type	LiFePO4				
Max.charge current	32A				
Max.discharge current	32A				
Peak Power	7, Lasts 10s				
Peak Current	35, Lasts 10s				
SOC Indicator	4*LED（25%, 50%, 75%, 100%）				
State Indicator	2*LED（work, alarm）				
Communication	RS485/CAN				
Protection					
Integrated DC switch	Yes				
Low temperature protection	Yes				
Over voltage protection	Yes				
Over current protection	Yes				
Over temperature protection	Yes				
General Data					
Dimensions (W*H*D)mm	700*660*200	700*950*200	700*1300*200	700*1650*200	700*2000*200
Net Weight（kg）	59kg	103.5kg	148kg	192.5kg	237kg
Operating temperature range	Charge: -20 -50°C; Discharge: -20 -50°C				
Working Altitude（m）	4000				
Calendar Life	>6000（70%EOL）				
Working Humidity（RH）	5 ~ 95%				
Ingress protection	IP65				
Warranty	10 years				
Alarms	Over charge / Over discharge/Over current / Over temperature/ Short Circuit				

C&I On-Grid Solution

The AUXSOL has a complete line of industrial and commercial string inverters, covering 50-110kW. Differentiated solutions can be designed according to customer needs to provide you with the best industrial and commercial system solutions. AUX high-power photovoltaic inverters are widely used in distributed power station projects such as industrial and commercial rooftops, mountainous and hilly areas, and complementary agricultural, photovoltaic, and fishery photovoltaic systems.

- The high-power three-phase grid connected inverter achieves a conversion efficiency of up to 98.6% through advanced topology and innovative control technology.
- Supports 1.5 times DC super matching, allows a maximum input current of 20A per string, perfectly adapts to 182/210 high-efficiency components, and improves power generation and user revenue.
- At the same time, the three-phase grid connected inverter has the functions of intelligent string detection, I/V curve scanning, and 5S/time cloud data refresh frequency to accurately locate faults.

The AUXSOL Energy Industrial and Commercial Photovoltaic System Solution provides better energy solutions for industrial and commercial households with reliable quality, stable efficiency, and user-friendly characteristics.

50-80 kW
THREE PHASE

70-110 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
- AFCI Optional AFCI function
- Optional anti-backflow
- Max. IP66 protection

	ASN-50TL-G2	ASN-60TL-G2	ASN-70TL-G2	ASN-75TL-G2	ASN-80TL-G2
Input DC					
Max.input power	75kW	90kW	105kW	112.5kW	120kW
Max.input voltage	1100V				
Rated voltage	630V				
Start-up voltage	180V				
MPPT voltage range	150-1000V				
Max.input current	40A*4			48A*4	
Max.short circuit current	50A*4			60A*4	
MPPT number	4			4	
Max. input strings number	8			12	
Output AC					
Rated output power	50kW	60kW	70kW	75kW	80kW
Max.apparent output power	55kVA	66kVA	77kVA	82.5kVA	88kVA
Max.output power	55kW	66kW	77kW	82.5kW	88kW
Rated grid voltage	220V/380V,230V/400V,3/N/PE				
Grid voltage range	162-300V(Phase voltage),280-520V(Line voltage)				
Rated grid frequency	50Hz/60Hz				
Rated grid output current	72.2A	86.6A	101 A	108.3A	115.5A
Max.output current	79.4A	95.3A	111A	119.1A	127A
Power factor	>0.99 (0.8 leading ... 0.8 lagging)				
THDi	<3%				
Efficiency					
Max.efficiency	98.60%				
EU efficiency	98.30%				
MPPT efficiency	>99.8%				
Protection					
Integrated DC switch	Yes				
DC rever-polarity protection	Yes				
Anti-islanding protection	Yes				
Short circuit protection	Yes				
Output over current protection	Yes				
DC Surge protection	Type II				
AC Surge protection	Type II				
Insulation impedance detection	Yes				
Ground fault monitoring	Yes				
Residual leakage current detection	Yes				
Temperature protection	Yes				
AC Over voltage protection	Yes				
DC Over current protection	Yes				
Strings monitoring	Optional				
24-hour load monitoring	Optional				
Integrated AFCI (DC arc-fault circuit protection)	Optional				
Integrated PID recovery	Optional				
Anti-backflow	Optional				
General Data					
Dimensions (W*H*D)	735*530*285mm				
Weight	60kg				
Self consumption(night)	<1W				
Operating temperature range	-30...+60℃				
Cooling concept	fan-cooling				
Max. operation altitude	4000m (Derating above 3000m)				
Relative humidity	0-100%				
Ingress protection	IP66				
Topology structure	Transformerless				
Grid connection standard	NB/T32004，EN 50549-1				
Safety/EMC standard	IEC/EN 62109-1/2,EN IEC61000-6-1/2/3/4，EN IEC 61000-3-11，EN 61000-3-12				
Type of DC terminal	MC4 connector				
Type of AC terminal	OT terminal				
Display&Communication					
Display	LED+Bluetooth+APP（Optional:LCD)				
Communication Interface	RS485,Optional:WIFI,4G,LAN				

THREE PHASE
ON-GRID INVERTER

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

- Wide MPPT voltage range
- Max. efficiency 98.6%
- Optional PID restoration function
- AFCI Optional AFCI function
- Optional anti-backflow
- Max. IP66 protection

	ASN-70TL	ASN-75TL	ASN-80TL	ASN-90TL	ASN-100TL	ASN-110TL
Input DC						
Max.input power	105kW	112.5kW	120kW	135kW	150kW	165kW
Max.input voltage	1100V					
Rated voltage	620V					
Start-up voltage	195V					
MPPT voltage range	180-1000V					
Max.input current	5*32A		6*32A		10*32A	
Max.short circuit current	5*50A		6*50A		10*50A	
MPPT number	5		6		10	
Max. input strings number	10		12		20	
MPPT Range full load	460-850V					
Output AC						
Rated output power	70kW	75kW	80kW	90kW	100kW	110kW
Max.apparent output power	77kVA	82.5kVA	88kVA	99kVA	110kVA	121kVA
Max.output power	77kW	82.5kW	88kW	99kW	110kW	121kW
Rated grid voltage	220V/380V，230V/400V，3/N/PE					
Rated grid frequency	50Hz/60Hz					
Rated grid output current	101A	108.3A	115.5A	130A	144.5A	158.8A
Max.output current	111.1A	119.1A	127A	143A	158.8A	174.6A
Power factor	>0.99 (0.8 leading ... 0.8 lagging)					
THDi	<3%					
Efficiency						
Max.efficiency	98.50%	98.60%				
EU efficiency	98.30%	98.30%				
China efficiency	98%	98.10%				
Protection						
Integrated DC switch	Yes					
DC reverse-polarity protection	Yes					
Anti-islanding protection	Yes					
Short circuit protection	Yes					
Output over current protection	Yes					
DC Surge protection	Type II					
AC Surge protection	Type Ⅱ,Optional:Type Ⅰ					
Insulation impedance detection	Yes					
Ground fault monitoring	Yes					
Residual leakage current detection	Yes					
Temperature protection	Yes					
Strings monitoring	Yes					
AC Over voltage protection	Yes					
DC Over current protection	Yes					
Integrated AFCI (DC arc-fault circuit protection)	Optional					
I/V Curve scanning	Optional					
Anti-backflow	Optional					
24-hour load monitoring	Optional					
General Data						
Dimensions (W*H*D)	1007*668*357mm					
Weight	75kg				90kg	
Self consumption(night)	<2W					
Operating temperature range	-30...+60℃					
Cooling concept	fan-cooling					
Max.operation altitude	4000m (Derating above 3000m)					
Relative humidity	0-100%					
Ingress protection	IP66					
Topology structure	Transformerless					
Grid connection standard	NB/T32004，EN 50549-1,IEC 61727，IEC 62116					
Safety/EMC standard	IEC/EN 62109-1/2,EN IEC61000-6-2/4，EN IEC 61000-3-11，EN 61000-3-12					
Type of DC terminal	MC4 connector					
Type of AC terminal	OT terminal					
Display&Communication						
Display	LED+Bluetooth+APP					
Communication Interface	RS485,Optional:WIFI,4G,PLC					

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℃ - 70℃ Storage and transportation temperature:-40℃ - 70℃
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

EV CHARGER

Not only does this wallbox support PV charging, it also incorporates dynamic load balancing to relieve the grid during peak hours. By harnessing solar power for eco-friendly charging, it helps reduce electricity costs and meets your green objectives. Its intelligent load management ensures optimised energy use through seamless PV integration.

Activated by NFC

Versatile

Dynamic load balancing with LBC

Communications: Wi-Fi+4G+Bluetooth

App charging scheduling

0 emission PV charging

Relay-sticking protection

Adjustable current for optimized PV usage

	Artemis Smart 7	Artemis Smart 11	Artemis Smart 22
Product Information			
Charging Mode	Mode 3 (IEC 61851-1)		
Output Power&Current Rating	7.4kW/32A max	11kW/16A max. (Three phases input);3.7kW/16A max. (Single phase input)	22kW/32A max. (Three phases input); 7.4kW/32A
Input Voltage Rating	230V AC ±10%, 50/60Hz, Single phase (L1+N+PE)	400V AC ±10%, 50/60Hz, Three phases (L1+L2+L3+N+PE); 230V AC ±10%, 50/60Hz, Single phase (L1+N+PE)	
Earthing System	TN-S, TN-C-S, TT, IT (L1+L2 230V AC Single phase, optional)		
Charging Interface	1 x Type 2 plug (Case C)		
Metering	Onboard metering chip, Accuracy: 1%		
Internal RCD	6mA DC		
Protection	Overcurrent, Overvoltage, Undervoltage, Residual current, Over temperature, Grounding fault, Integrated surge protection		
Communication			
Connectivity	4G, Wi-Fi, Ethernet, RS485		
Bluetooth	5.0		
Communication to the Backend	OCPP 1.6J		
Communication to the EV	Control pilot		
Environmental			
Operating Temperature	-30℃ to 50℃		
Storage Temperature	-40℃ to 85℃		
Humidity	5% to 95% no condensation		
Altitude	<3000m above sea level		
Mechanical			
IP Rating	IP65		
IK Ratin	IK10		
Charging Cable Length	5m		
Dimensions (WxHxD)	280*280*148mm (Pole: 100*1210*50mm)		
Weight	Approx. 4.0kg (Case C, include 5m cable)		Approx. 6.1kg (Case C, include 5m cable)
Installation	Wall mounting, Pole mounting (Pole is optional)		
Certification and Standards			
Standards and Complia	IEC 61851-1, IEC 62955, IEC 61851-21-2, LVD 2014/35/EU, RED 2014/53/EU, RoSH 2.0, REAC		
Certification	CE-RED, CB		

R290 MONOBLOCK AIR TO WATER HEAT PUMP

The heat pump uses a small amount of electric energy as the driving force and refrigerant as the carrier to carry the heat in the air to meet the needs of users for cooling/heating/hot water.

-7℃ Capacity no Damping | High Efficiency | Low Noise Operation | Combination of 8 units

Technical Information

	MARKET MODEL (SINGLE-PHASE)			ACHP-H04/4R 2HA-M	ACHP-H06/4R 2HA-M	ACHP-H08/4R 2HA-M	ACHP-H10/4R 2HA-M	ACHP-H12/4R 2HA-M	ACHP-H14/4R 2HA-M	ACHP-H16/4R 2HA-M	ACHP-H04/4R 2HA-M (NE)	ACHP-H06/4R 2HA-M (NE)	ACHP-H08/4R 2HA-M (NE)	ACHP-H10/4R 2HA-M (NE)	ACHP-H12/4R 2HA-M (NE)	ACHP-H14/4R 2HA-M (NE)	ACHP-H16/4R 2HA-M (NE)
SINGLE-PHASE	Power supply	Monobloc Unit	V/Ph/H	220-240/1/50													
	Heating (A:7/6°C W:30/35°C)	Capacity	kW	4.5	6.35	8.4	10	12	14	15.1	4.5	6.35	8.4	10	12	14	15.1
		COP		5.15	4.95	5	4.8	4.9	4.8	4.7	5.15	4.95	5	4.8	4.9	4.8	4.7
	Heating (A:7/6°C W:47/55°C)	Capacity	kW	4.6	6.40	7.8	9.5	12	14	15.1	4.6	6.40	7.8	9.5	12	14	15.1
		COP		3.2	3.15	3.3	3.25	3.25	3.2	3.15	3.2	3.15	3.3	3.25	3.25	3.2	3.15
	Cooling (A:35°C W:23/18°C)	Capacity	kW	4.5	6.5	8.3	10	12	14	16	4.5	6.5	8.3	10	12	14	16
		EER		5.5	5.1	5.15	4.75	4.5	3.6	3.9	5.5	5.1	5.15	4.75	4.5	3.6	3.9
	Cooling (A:35°C W:12/7°C)	Capacity	kW	4.7	6.8	7.5	8.9	11.5	12.7	14	4.7	6.8	7.5	8.9	11.5	12.7	14
		EER		3.65	3.1	3.45	3.25	3.05	2.9	2.75	3.65	3.1	3.45	3.25	3.05	2.9	2.75
	Seasonal space heating energy efficiency class7	LWT at 35°C		A+++													
		LWT at 55°C		A+++													
	Refrigerant(R290)	Factory charge	kg	0.55		0.85		1.35			0.55		0.85		1.35		
	Sound power	Monobloc Unit	dB	56		57		58	59	60	56		57		58	59	60
	Wiring	Power wiring	mm2	3×4mm²+3×4mm²				3×6mm²+3×4mm²			3×4mm²				3×6mm²		

	MARKET MODEL			ACHP-H08/5R 2HA-M	ACHP-H10/5R 2HA-M	ACHP-H12/5R 2HA-M	ACHP-H14/5R 2HA-M	ACHP-H16/5R 2HA-M	ACHP-H12/5R 2HA-M (NE)	ACHP-H14/5R 2HA-M (NE)	ACHP-H16/5R 2HA-M (NE)
THREE-PHASE	Power supply	Monobloc Unit	V/Ph/H	380-415/3/50							
	Heating (A:7/6°C W:30/35°C)	Capacity	kW	8.4	10	12	14	15.1	12	14	15.1
		COP		5	4.8	4.9	4.8	4.7	4.9	4.8	4.7
	Heating (A:7/6°C W:47/55°C)	Capacity	kW	7.8	9.5	12	14	15.1	12	14	15.1
		COP		3.3	3.25	3.25	3.2	3.15	3.25	3.2	3.15
	Cooling (A:35°C W:23/18°C)	Capacity	kW	8.3	10	12	14	16	12	14	16
		EER		5.15	4.75	4.5	3.6	3.9	4.5	3.6	3.9
	Cooling (A:35°C W:12/7°C)	Capacity	kW	7.5	8.9	11.5	12.7	14	11.5	12.7	14
		EER		3.45	3.25	3.05	2.9	2.75	3.05	2.9	2.75
	Seasonal space heating energy efficiency class7	LWT at 35°C		A+++							
		LWT at 55°C		A+++							
	Refrigerant(R290)	Factory charge	kg	0.85		1.35			1.35		
	Sound power	Monobloc Unit	dB	57		58	59	60	58	59	60
	Wiring	Power wiring	mm2	5×4mm²+5×4mm²		5×6mm²+5×4mm²			5×6mm²		

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

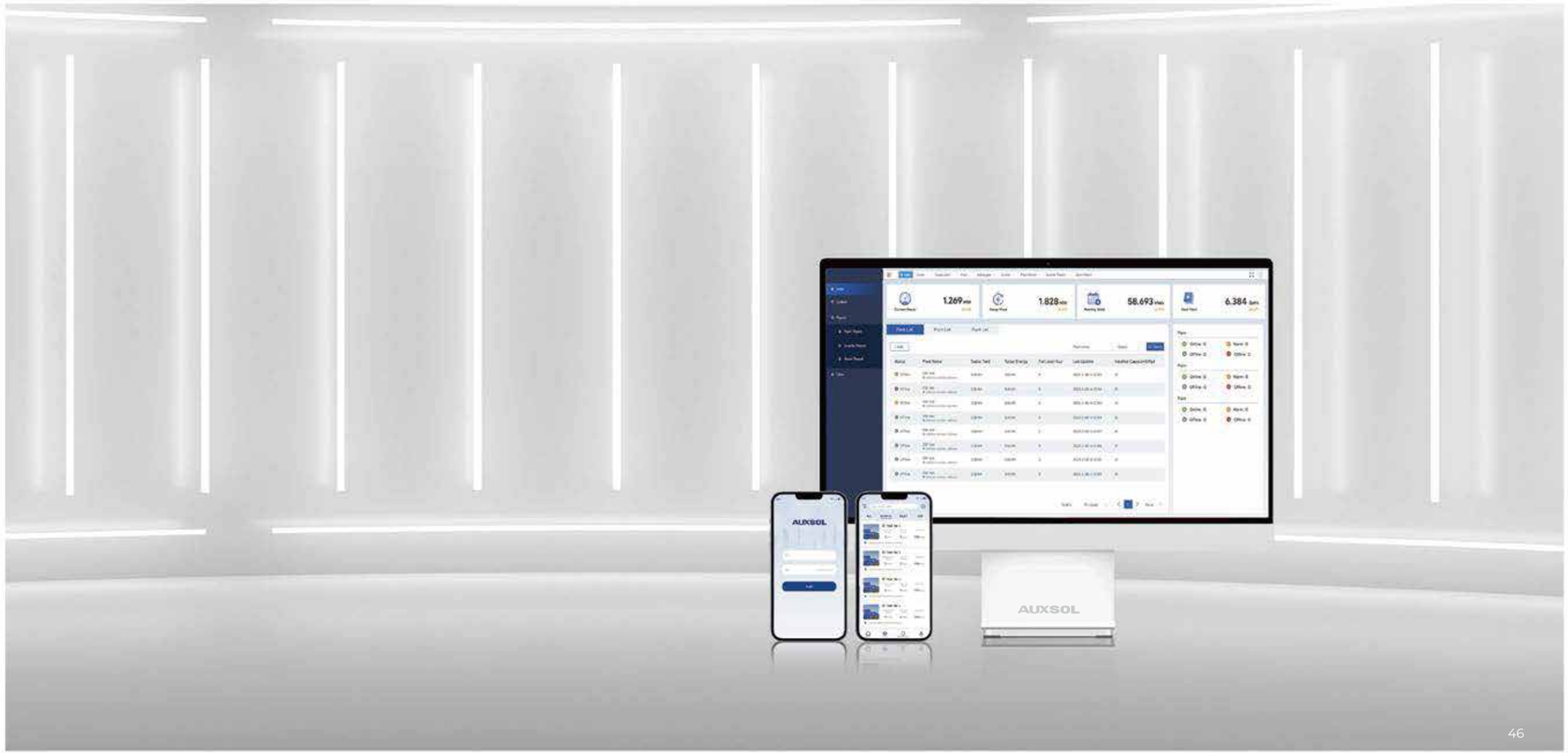
One-click creating plant & One-click adding device
Built-in repair channel in APP, convenient for end customers to report failure.
Multi-level maintenance, supporting level management
Multidimensional real-time data, supporting remote configuration
Large screen display, intuitive & clear

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 stuff of customers