

AUXSOL

WIN A GREEN FUTURE TOGETHER

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History

\$12

Revenue in 2023

5

Business Industries

\$10

Assets

500

China's Top

30000+

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.



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

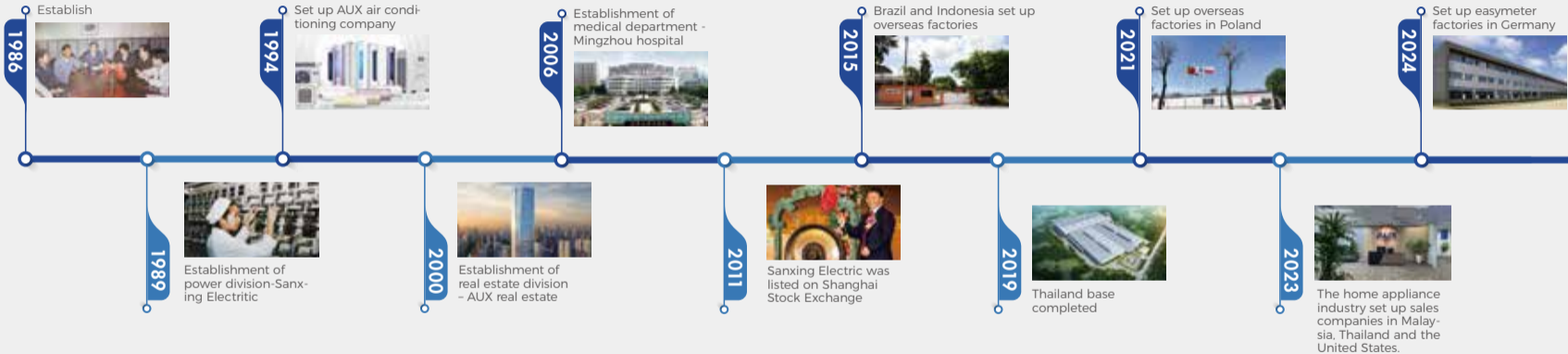
						
YINZHOU, NINGBO	JIANGBEI, NINGBO	GAOXIN, NINGBO	NANCHANG	TIANJIN	WUHU	ZHENGZHOU
1000,000 m ²	367,000 m ²	283,000 m ²	820,000 m ²	350,000 m ²	400,000 m ²	1000,000 m ²
						
MAANSHAN	BRAZIL	INDONESIA	THAILAND	POLAND	GERMAN	MEXICO
660,000 m ²	8,000 m ²	7,000 m ²	11,300 m ²	3,300 m ²	2000 m ²	8000 m ²

6 R&D Centers



14 Manufacturing Bases
11 Overseas Companies

Milestone AUX Group



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, CCC, 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 UNE



6 IEC 61727



7 IEC 62116



8 IEC 61683



9 INMETRO



10 VDE4105



AUX

ONE-STOP HOME ENERGY MANAGEMENT SYSTEM



APP



REMOTE MONITORING

ONE-STOP

All Developed and Manufactured By AUX

150%

PV Input Power

10ms

Automatic Switching

16

Max. 16 machines in parallel

5m

Battery Drop Test

IP66

Water/dust Protection

8time

Battery dis-/charging period

Product Introduction-On-Grid



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



(10-15)kW-LV
THREE PHASE



(20-25)kW-LV
THREE PHASE

Residential On-Grid Solution



(60-75)kW-LV
50-80 kW-G2
THREE PHASE



70-110 kW &
90-110 kW-PLUS
THREE PHASE



300-330 kW
THREE PHASE

C&I On-Grid Solution

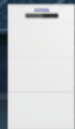
Product Introduction-Energy Storage



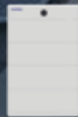
3.6-6 kW
SINGLE PHASE



5-20 kW
THREE PHASE



5.3-26.5kWh
BATTERY



6-8 kW
THREE PHASE

Residential Hybrid Solution



3.6-6 kW-LV
SINGLE PHASE



5-12 kW-LV
THREE PHASE



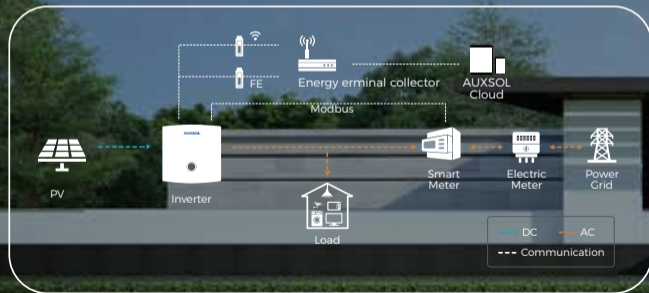
5-15kWh
BATTERY

Residential Battery-LV 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





SINGLE PHASE ON-GRID INVERTER



ASN-3.6SL-PLUS ASN-4.5L-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-4.5L-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	550V	550V	550V	550V	600V	600V	600V	600V	
Rated voltage	380V	380V	380V	380V	380V	380V	380V	40V	40V	
Start-up voltage	80V	80V	80V	80V	80V	80V	80V	40V	40V	
MPPT voltage range	80-500V	80-500V	80-500V	80-500V	80-500V	80-500V	80-500V	40-500V	40-500V	
Max. input current	15A/16A	15A/16A	15A/16A	15A/16A	15A/16A	22A/16A	22A/16A	32A/16A	32A/16A	
Max. short circuit current	20A/20A	20A/20A	20A/20A	20A/20A	20A/20A	35A/20A	35A/20A	40A/20A	40A/20A	
MPPT number	2	2	2	2	2	2	2	2	2	
Max. input strings number	2	2	2	2	2	2	2	2	2	
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	3.9kVA	4.4kVA	5.0kVA	5.5kVA	6kVA	7.3kVA	8.3kVA	9kVA	10kVA	
Max. output power	3.9kW	4.4kW	5.0kW	5.5kW	6kW	7.3kW	8kW	9kW	10kW	
Rated grid voltage	1/N/PE, 200V/230V/240V					1/N/PE, 200V/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			97.5%				97.80%		98.1%	
EU efficiency			97.0%				97.30%		97.6%	
Protection										
Integrated DC switch	Yes					Yes				
DC-reverse polarity protection	Yes					Yes				
Anti-islanding protection	Yes					Yes				
Short circuit Protection	Yes					Yes				
Output over current/protection	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	116kg					15.6kg				
Self consumption (night)	<1W					<1W				
Operating temperature range	-30 ~ +40°C					-25 ~ +40°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 standard	EN 50549-1, IEC 61727, IEC 62116, IEC 61683, IEC 21700, IEC 21702, NTS-A31, PORTARIA N°515, IEC 6307					EN 50549-1, IEC 61727, IEC 62116, IEC 61683, IEC 21700, IEC 21702, NTS-A31				
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				
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	140-300V/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 - 0.8 Lagging			
THDi	< 3%			
Efficiency				
Max. efficiency	98.60%			
EU efficiency	98.3%			
MPPT efficiency	99.80%			
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			
AC Over voltage protection	Yes			
DC Over current protection	Yes			
UV Curve scanning	Yes			
24-hour load monitoring	Optional			
Anti-backflow	Optional			
Integrate AFCI	Optional			
(DC arc-fault circuit protection)	Optional			
General Data				
Dimensions(W*H*CI)	448*136*174mm			
Weight	12.6kg			
Self Consumption(high)	< 1W			
Operating Temperature Range	-30...+40°C			
Cooling Concept	Natural Cooling			
Max. Operation Altitude	4000m (Derating above 3000m)			
Relative Humidity	0-100%			
Ingress Protection	IP66			
Topology Structure	Transformerless			
Grid connection standard/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 5049-1			
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, 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%



AFCI 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	33kW	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	2		
Max input string 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-270V(Phase voltage), 308-478V(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)									
THD	<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 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									
AC Over voltage protection	Yes									
DC Over current protection	Yes									
String monitoring	Optional									
Anti-backflow	Optional									
Integrated AFCI (DC arc-fault circuit protection)	Optional									
UV Curve scanning	Optional									
General Data										
Dimensions (W*H*D)	455*462*214mm									
Weight	25kg									
Self consumption(Inight)	<1W									
Operating temperature range	-30 ~ +40°C									
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, IEC 61683, IEC 61700, IEC 61702, IEC 61703, IEC 61704, IEC 61705, IEC 61706, IEC 61707, IEC 61708, IEC 61709, IEC 61710, IEC 61711, IEC 61712, IEC 61713, IEC 61714, IEC 61715, IEC 61716, IEC 61717, IEC 61718, IEC 61719, IEC 61720, IEC 61721, IEC 61722, IEC 61723, IEC 61724, IEC 61725, IEC 61726, IEC 61727, IEC 61728, IEC 61729, IEC 61730, IEC 61731, IEC 61732, IEC 61733, IEC 61734, IEC 61735, IEC 61736, IEC 61737, IEC 61738, IEC 61739, IEC 61740, IEC 61741, IEC 61742, IEC 61743, IEC 61744, IEC 61745, IEC 61746, IEC 61747, IEC 61748, IEC 61749, IEC 61750, IEC 61751, IEC 61752, IEC 61753, IEC 61754, IEC 61755, IEC 61756, IEC 61757, IEC 61758, IEC 61759, IEC 61760, IEC 61761, IEC 61762, IEC 61763, IEC 61764, IEC 61765, IEC 61766, IEC 61767, IEC 61768, IEC 61769, IEC 61770, IEC 61771, IEC 61772, IEC 61773, IEC 61774, IEC 61775, IEC 61776, IEC 61777, IEC 61778, IEC 61779, IEC 61780, IEC 61781, IEC 61782, IEC 61783, IEC 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THREE PHASE ON-GRID INVERTER

ASN-30TL-G2



Maximum string current of 20A



Wide range of MPPT voltage



Max. 150% DC/AC ratio



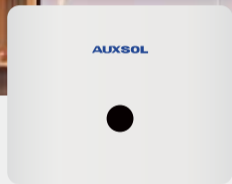
Max. efficiency 98.6%



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	140V
MPPT voltage range	150-1000V
Max. input current	40A/20A/50A
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	47.5A
Power factor	10:8 leading - 0.8 lagging
THD	< 3%
Efficiency	
Max. efficiency	98.6%
EU efficiency	98.2%
MPPT efficiency	99.8%
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
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*158mm
Weight	24.5kg
Self consumption(Inight)	< 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 standard	NR/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	MCA 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



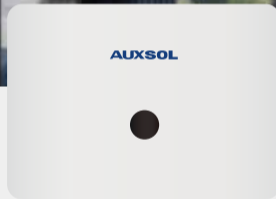
Max. efficiency 98.6%



AFCI Optional AFCI function



Max. IP66 protection



	ASN-33TL	ASN-36TL	ASN-40TL
Input DC			
Max input power	49.5kW	54kW	62kW
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 string number	5		6
Output AC			
Rated output power	33kW	36kW	40kW
Max apparent output power	36.5kVA	39.2kVA	44.0kVA
Max output power	36.3kW	39.0kW	44.0kW
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 ~ 0.8 Lagging	
THDi		< 3%	
Efficiency			
Max. Efficiency		98.6%	
IE3 Efficiency		98.3%	
MPPT efficiency		99.8%	
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	
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*G)		568*443*228mm	
Weight		35kg	
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 standard		NB/T3204, EN 50549-1, IEC 63027, CIGRÉ IIS-2013, PORTABIA N°515	
Safety/EMC standard		IEC/EN 62109-1/2, EN IEC/61000-4-1/2/3/4, 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, LAN	



SINGLE PHASE-LV ON-GRID INVERTER

ASN-(10-15)TL-LV







- String current up to 16A
- Wide range of MPPT voltage
- Max. 150% DC/AC ratio
- Max. efficiency 98.5%
- AFCI Optional AFCI function
- Max. IP66 protection

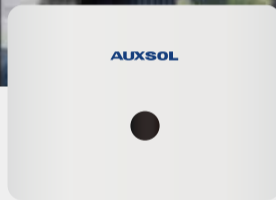


	ASN-10TL-LV	ASN-12TL-LV	ASN-15TL-LV
Input DC			
Max. input power	15kW	18kW	22.5kW
Max. input Voltage	1100V	1100V	1100V
Rated Voltage	600V	600V	600V
Start-Up Voltage	140V	140V	140V
MPPT Voltage Range	140-1000V	140-1000V	140-1000V
Max. Input Current	20A/25A	20A/25A	20A/25A
Max. Short Circuit Current	25A/25A	25A/25A	25A/25A
MPPT Number	2	2	2
Max. Input Strings Number	2	2	2
Output AC			
Rated output power	10kW	12kW	15kW
Max. apparent output power	11kVA	13.2kVA	15kVA
Max. output power	11kW	13.2kW	15kW
Rated grid voltage	127/220V,3/N/PE		
Grid voltage range	178-276V(This may vary depending on the network standard)		
Rated grid frequency	50Hz/60Hz		
Rated output current	26.2A	31.5A	39.4A
Max. output current	28.9A	34.6A	39.4A
Power factor	1 (0.8 Leading - 0.8Lagging)		
THD	<3%		
Efficiency			
Max. efficiency	98.50%		
EU efficiency	98.00%		
China efficiency	97.80%		
MPPT efficiency	99.80%		
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		
AC Over voltage protection	Yes		
DC Over current protection	Yes		
IGBT Curve scanning	Yes		
String monitoring	Optional		
Antireflux	Optional		
Integrated AFCI (DC arc-fault circuit protection)	Optional		
General Data			
Dimensions(W*H*D)	450*462*214mm		
Weight	<25kg		
Self Consumption(high)	<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 standard	NB/T32004,EN50549-1,PN-EN 50549-1,PSE, FT/PR/E, RD647, RD413, RD1699, IEC 217001/2, NT5631, NC, RIG		
Safety/EMC standard	EN/IEC 62109-1/2, EN/IEC 61000-6-1/2/3/4, EN/IEC 61000-3-11, EN/IEC 61000-3-12		
Type of DC terminal	MC4 connector		
Type of AC terminal	DT terminal		
Display&Communication			
Display	LED+Bluetooth+APP		
Communication Interface	RS485, Optional WIFI, 4G		

SINGLE PHASE-LV ON-GRID INVERTER

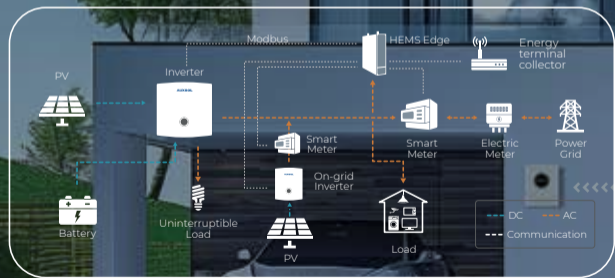
ASN-(20-25)TL-LV

-  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-20TL-LV	ASN-25TL-LV
Input DC		
Max. input power	30kW	37.5kW
Max. Input Voltage		800V
Rated Voltage		360V
Start-Up Voltage		180V
MPPT Voltage Range		160-800V
Max. Input Current		40A/40A/20A/20A
Max. Short Circuit Current		50A/50A/25A/25A
MPPT Number		4
Max. Input Strings Number		6
Output AC		
Rated output power	20kW	25kW
Max. apparent output power	22kVA	27.5kVA
Max. output power	22kW	27.5kW
Rated grid voltage		127/230V,3+N/PE
Grid voltage range		92-173(Phase voltage),160-300V(Line voltage)
Rated grid frequency		50Hz/60Hz
Rated output current	32.5A	
Max. output current	37.7A	45.5A
Power factor		1 @ 0.8 Leading - 0.8 Lagging
THD		<3%
Efficiency		
Max. efficiency		98.60%
EU efficiency		98.00%
MPPT efficiency		> 99%
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
AC Over voltage protection		Yes
DC Over current protection		Yes
I-V Curve scanning		Yes
String monitoring		Optional
ISD		Optional
Anti-backflow		Optional
Integrated AFCI (DC arc-fault circuit protection)		Optional
General Data		
Dimensions (W*H*D)		568*443*238mm
Weight		35kg
Self consumption(right)		<1W
Operating temperature range		-30-60 C
Cooling concept		fan-cooling
Max. operation altitude		4000m
Relative humidity		0-100%
Ingress protection		IP66
Topology structure		No transformer / No transformer
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		MC-4
Type of AC terminal		OT Terminal
Display & Communication		
Display		LED,Optional LCD
Communication Interface		RS485,Optional WiFi,4G,LAN

ONE-STOP SOLUTION FOR RESIDENTIAL ENERGY STORAGE





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-POS-H02				
Number modules	1	2	3	4	5
Nominal Battery Energy	5.3kWh	10.6kWh	15.9kWh	21.2kWh	26.5kWh
Available Energy	4.5kWh	9kWh	13.5kWh	18kWh	22.5kWh
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	3251P, 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				



BATTERY -HV

ABL-T06H ABL-T08H-PLUS



Support mixing old and new battery packs



Conversion efficiency 98.5%



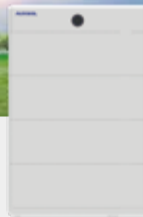
Support parallel connection of 2 machines



Equipped with lightning protection function



save electricity costs



	ABL-T06H				ABL-T08H-PLUS			
Module								
Module capacity	6kWh				8kWh			
Battery cell specifications	Lithium iron phosphate 314Ah/3.2V				Lithium iron phosphate 314Ah/3.2V			
Cell grouping method	1P6S				1P8S			
Number of packs	1	2	3	4	1	2	3	4
Total capacity	6.03kWh	12.06kWh	18.09kWh	24.12kWh	8.06kWh	16.12kWh	24.18kWh	32.24kWh
Rated charging and discharging power	3kW	6kW	9kW	12kW	4kW	8kW	12kW	16kW
Rated voltage	470V (370-560V)				470V (370-560V)			
General Data								
Weight (kg)	71	129	187	245	80.2	144.7	209.2	273.7
Height - including base (mm)	500	780	1060	1340	525	800	1075	1350
Width - including decorative parts (mm)	187				870			
Depth - including decorative parts (mm)	1060				255			
Installation method	Floor installation, wall mounted installation							
working temperature	-20 - 55 °C							
Storage temperature	-25 - 60 °C							
relative humidity	5-95% RH (without condensation)							
Working altitude	<4000m							
Thermal management	Natural cooling and battery heating function							
Protection level	IP66							
Protection strategy	Overvoltage and overcurrent protection, short circuit protection, and over temperature protection							
Scalability	Parallel connection of two machines							
Mixing old and new battery packs	support							
fire control	Pack level fire protection							
authentication	REACH, RoHS, IEC62620, IEC60730, IEC62619, IEC63056, UN38.3							
Display&Communication								
Display	SOC status, faults, and operational status							
Communication interface	RS485/CAN							



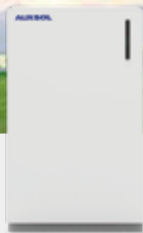
BATTERY

-LV

ABL-T05L

ABL-T10L

ABL-T15L



Cycle life of over 6000 times



the ability to expand multiple sets of capacity



save electricity costs

	ABL-T05L	ABL-T10L	ABL-T15L
Nominal Parameters			
Module capacity	5kWh	10kWh	15kWh
Battery cell specifications	Lithium iron phosphate 100Ah/3.2V	Lithium iron phosphate 150Ah/3.2V	Lithium iron phosphate 314Ah/3.2V
Cell grouping method	1P6S		
Energy	5.12kWh	10.24kWh	16.08kWh
Rated charging and discharging power	5kW	10kW	8kW
Rated voltage		51.2V	
Electrical Parameter			
Operating Voltage		46.4V-58.2V	
Limited Charge Voltage		58.2V	
Maximum Discharge Current	100A (60s)	150A(60s)	200A(60s)
Continuous Discharge Current	100A	200A	150A
Maximum Charge Current	100A	150A	200A(60s)
Continuous Charging Current	100A	200A	150A
General Data			
Core Material		LiFePO4	
Cell Spec.	100Ah	205Ah	314Ah
Dimension W*H*D mm	420*660*160	420*660*245	420*895*250
Machine Weight	55kg	93kg	125kg
Life cycles (80% DOD, 25°C)		>4000 Times, 25°C, 0.5C, 60%EOL	
Storage Time		3 month	
Working Temperature		Charge: 0°C-55°C, Discharge: -20°C-55°C	
Storage Temperature		-40°C-55°C	
Network interface		RS485/CAN/RS232	
IP Grade		IP44	
Protection strategy		Overvoltage and overcurrent protection, short circuit protection, and over temperature protection	
Using an altitude		<4000M	
Warranty standard		5 Years CE, UN38.3	
Display&Communication			
Display		SOC status, faults, and operational status	
Communication Interface		RS485/CAN	

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.





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	750W	900W	1050W	112.5kW	120kW
Max. input voltage			1100V		
Rated voltage			630V		
Start-up voltage			180V		
MPPT voltage range			150-1000V		
Max. input current	40A ¹⁴			48A ¹⁴	
Max. short circuit current	50A ¹⁴			60A ¹⁴	
MPPT number	4			4	
Max. input string number	8			12	
Output AC					
Rated output power	50kW	60kW	70kW	75kW	80kW
Max. apparent output power	58kVA	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			143-303V(Phase voltage),280-320V(Line voltage)		
Rated grid frequency			50/60Hz		
Rated grid output current	72.2A	86.6A	101A	108.3A	118.5A
Max. output current	79.6A	95.3A	111A	119.1A	127A
Power factor			>0.99 @ 0.8 leading - 0.8 lagging		
THDi			< 3%		
Efficiency					
Max. efficiency			98.07%		
EU efficiency			98.30%		
MPPT efficiency			> 99.8%		
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		
AC Over voltage protection			Yes		
DC Over current protection			Yes		
String 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*280mm		
Weight			60kg		
Self consumption/night			< 1W/night (with 24h load monitoring)		
Operating temperature range			-30 ~ +60°C		
Cooling concept			fan-cooling		
Max. operation altitude			4000m (Derating above 3000m)		
Max. relative humidity			0-100%		
Ingress protection			IP56		
Topology structure			Transformerless		
Grid connection standard			NEC/T320M, EN 50461-1, IEC 63077, PORTSARIA N°515 (50K, 60K), CGC/GP 035-2013		
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			MCA connector		
Type of AC terminal			DT terminal		
Display & Communication					
Display			LED+Bluetooth+APP (Optional LCD)		
Communication interface			RS485, Optional WiFi, 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



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	185-1000V					
Max input current	9732A		9732A		10732A	
Max short circuit current	9750A		9750A		10750A	
MPPT number	3		3		3	
Max. input string number	10		12		20	
MPPT Range full load	410-850V					
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, 374VPE					
Rated grid frequency	50Hz/60Hz					
Rated grid output current	301A	308.3A	315.5A	330A	344.5A	358.5A
Max output current	311.5A	319.1A	327A	343A	358.5A	374.6A
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 I, Optional Type 1					
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					
IV Curve scanning	Optional					
Anti-backflow	Optional					
24-hour load monitoring	Optional					
General Data						
Dimensions (W*H*D)	1007*668*357mm					
Weight	88kg					
Tail consumption (night)	≤2W					
Operating temperature range	-30 ~ +40°C					
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/T30004, EN 5049-3, IEC 61727, IEC 62116, NRS 097, VDE-AR-N 4110/4105					
Safety/EMC standard	IEC/EN 62109-1/2, EN IEC 61000-6-2/4, EN IEC 61000-3-11, EN 61000-3-12					
Type of DC terminal	MCA connector					
Type of AC terminal	CT terminal					
Display&Communication						
Display	LED+Bluetooth+APP					
Communication Interface	RS485, Optional WiFi, G					



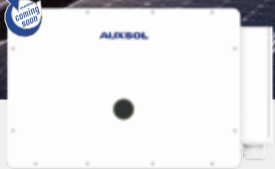
coming soon

THREE PHASE ON-GRID INVERTER

ASN-90TL-PLUS

ASN-100TL-PLUS

ASN-110TL-PLUS



Wide MPPT voltage range



Max. efficiency 98.65%



Optional PID restoration function



Optional AFCI function



Optional anti-backflow



Max. IP66 protection

	ASN-90TL-PLUS	ASN-100TL-PLUS	ASN-110TL-PLUS
Input DC			
Max input power	1350W	1500W	1650W
Max input voltage	1500V	1500V	1500V
Rated voltage	630V	630V	630V
Start-up voltage	195V	195V	195V
MPPT voltage range		180-1000V	180-1000V
Max input current	87.5A	87.5A	87.5A
Max short circuit current	87.5A	87.5A	87.5A
MPPT number	3	3	3
Max. input strings number	3	3	3
Output AC			
Rated output power	90kW	100kW	110kW
Max apparent output power	99kVA	110kVA	121kVA
Max output power	99kW	110kW	121kW
Rated grid voltage		220V/380V/230V/400V/3/4/PE	220V/380V/230V/400V/3/4/PE
Rated grid frequency		50/60Hz	50/60Hz
Rated grid output current	130A	144.5A	158.6A
Max output current	143A	158.6A	174.6A
Power factor		>0.99 (0.8 leading ~ 0.8 lagging)	>0.99 (0.8 leading ~ 0.8 lagging)
THDi		<3%	<3%
Efficiency			
Max efficiency		98.65%	98.65%
China Efficiency		98.20%	98.20%
MPPT efficiency		99.80%	99.80%
Protection			
Integrated DC switch		Yes	Yes
DC reverse polarity protection		Yes	Yes
Anti-islanding protection		Yes	Yes
Short circuit protection		Yes	Yes
Output over current protection		Yes	Yes
DC Surge protection		Type II	Type II
AC Surge protection		Type II, Optional Type I	Type II, Optional Type I
Insulation impedance detection		Yes	Yes
Ground fault monitoring		Yes	Yes
Residual leakage current detection		Yes	Yes
Temperature protection		Yes	Yes
Strings monitoring		Yes	Yes
AC Over voltage protection		Yes	Yes
DC Over current protection		Yes	Yes
Integrated AFCI (DC arc-fault circuit protection)		Optional	Optional
Integrated PID recovery		Optional	Optional
Anti-backflow		Optional	Optional
General Data			
Dimensions (W*H*D)		1007*668*341mm	1007*668*341mm
Weight		87kg	87kg
Self consumption(night)		<2W	<2W
Operating temperature range		-30 ~ +60°C	-30 ~ +60°C
Cooling concept		fan-cooling	fan-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 standard		NB/TT2004	NB/TT2004
Safety/EMC standard		NB/TT2004	NB/TT2004
Type of DC terminal		MC4 connector	MC4 connector
Type of AC terminal		DT terminal	DT terminal
Display & Communication			
Display		LED+Bluetooth+APP	LED+Bluetooth+APP
Communication Interface		RS-485, Optional WIFI, 4G	RS-485, Optional WIFI, 4G



THREE PHASE ON-GRID INVERTER

ASN-300TL

ASN-320TL

ASN-330TL



MPPT optimization algorithm to ensure maximum input power



Maximum conversion efficiency 99.08%



Maximum conversion efficiency 99.08%



High precision IV curve scanning



	300TL-HV	320TL-HV	330TL-HV
Input DC			
Max. Input Voltage	1500V		
MPPT Voltage Range	500-1500V		
Max. Input Current	65A	75A	75A
Max. Short Circuit Current	105A	125A	125A
Max. Input String Number	30		
MPPT Number	6		
Output AC			
Rated output power	300kW	320kW	330kW
Max.apparent output power	330kVA	353kVA	363kVA
Max.output power	330kW	352kW	363kW
Rated grid voltage	/		
Grid voltage range	800V,3W+PE		
Grid voltage range	720-880VAC		
Rated output current	217A	231A	238A
Max.output current	238A	254A	262A
Power factor	0.8 Leading ~ 0.8Lagging		
THD	<3%(Rated power)		
Efficiency			
Max. efficiency	99.08%		99.00%
China efficiency	98.65%		98.50%
Protection			
Integrated DC Switch	Yes		
Anti-islanding Protection	Yes		
Output Over Current Protection	Yes		
Input reverse protection	Yes		
String fault detection	Yes		
DC Surge Protection	Yes		
AC Surge Protection	Type II		
Insulation Impedance Detection	Type II		
Residual leakage current detection	Yes		
General Data			
Dimensions(W*H*D)	1128*808*351mm		
Weight	110kg±10%		
Operating Temperature Range	-40C ~ 40C		
Cooling Concept	fan-cooling		
Relative Humidity	0~100%		
Ingress Protection	IP66		
Topology Structure	Transformerless		
Type of DC terminal	MC4 connector		
Display&Communication			
Display	LED		
Communication Interface	RS485,Bluetooth,PLC Optional		



THREE PHASE ON-GRID INVERTER

ASN-30TL-LV-G2

ASN-40TL-LV-G2



Wide MPPT voltage range



Max. efficiency 98.6%



Optional PID restoration function



Optional AFCI function



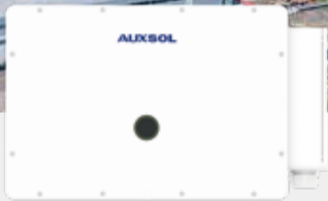
Optional anti-backflow



Max. IP66 protection



	ASN-30TL-LV-G2	ASN-40TL-LV-G2
Input DC		
Max input power	45kW	60kW
Max. Input Voltage	800V	800V
Rated Voltage	300V	300V
Start-Up Voltage	180V	180V
MPPT Voltage Range	150-800V	150-800V
Max. Input Current	48/48/48/48A	48/48/48/48A
Max. Short Circuit Current	60/60/60/60A	60/60/60/60A
MPPT Number	4	4
Max. Input Strings Number	12	12
Output AC		
Rated output power	30kW	40kW
Max apparent output power	33kVA	44kVA
Max output power	33kW	44kW
Rated grid voltage	127/220V/3/N/PE	127/220V/3/N/PE
Grid voltage range	92-173(Phase voltage), 160-300V(Line voltage)	92-173(Phase voltage), 160-300V(Line voltage)
Rated grid frequency	50Hz/60Hz	50Hz/60Hz
Rated output current	78.7A	105A
Max output current	86.6A	115.5A
Power factor	>0.99@0.8 Leading, 0.8Lagging	>0.99@0.8 Leading, 0.8Lagging
THDi	<3%	<3%
Efficiency		
Max efficiency	98.60%	98.60%
EU efficiency	98.00%	98.00%
MPPT efficiency	>99.8%	>99.8%
Protection		
Integrated DC switch	Yes	Yes
DC reverse polarity protection	Yes	Yes
Anti-islanding protection	Yes	Yes
Short circuit protection	Yes	Yes
Output over current protection	Yes	Yes
DC Surge protection	Type II	Type II
AC Surge protection	Type II	Type II
Insulation impedance detection	Yes	Yes
Ground fault monitoring	Yes	Yes
Residual leakage current detection	Yes	Yes
Temperature protection	Yes	Yes
AC Over voltage protection	Yes	Yes
DC Over current protection	Yes	Yes
LTV Curve scanning	Yes	Yes
Strings monitoring	Optional	Optional
PID	Optional	Optional
Anti-backflow	Optional	Optional
Integrated AFCI (DC arc-fault circuit protection)	Optional	Optional
General Data		
Dimensions (W*H*D)	735*530*265mm	735*530*265mm
Weight	60kg	60kg
Self consumption (night)	<1W (without 24h load monitoring)	<1W (without 24h load monitoring)
Operating temperature range	-30~60°C	-30~60°C
Cooling concept	fan-cooling	fan-cooling
Max. operation altitude	4000m (Derating above 3000m)	4000m (Derating above 3000m)
Relative humidity	0~100%	0~100%
Ingress protection	IP66	IP66
Topology structure	No transformer	No transformer
Grid connection standard	NB/T32004, EN 50549-1	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	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	MC-4	MC-4
Type of AC terminal	OT Terminal	OT Terminal
Display&Communication		
Display	LED, Optional LCD	LED, Optional LCD
Communication Interface	RS485, Optional: WiFi, LAN	RS485, Optional: WiFi, LAN



THREE PHASE ON-GRID INVERTER

ASN-35TL-LV-G2 ASN-40TL-LV-G2 ASN-45TL-LV-G2 ASN-50TL-LV-G2 ASN-60TL-LV-G2 ASN-70TL-LV-G2 ASN-75TL-LV-G2



Wide MPPT voltage range



Max. efficiency 98.6%



Optional PID restoration function



Optional anti-backflow



Max. IP66 protection

Input DC	ASN-35TL-LV	ASN-40TL-LV	ASN-45TL-LV	ASN-50TL-LV	ASN-60TL-LV	ASN-70TL-LV	ASN-75TL-LV
Max. input power	52.5kW	60kW	67.5kW	75kW	90kW	105kW	112.5kW
Max. Input Voltage		800V			800V		
Rated Voltage		420V			420V		
Start-Up Voltage		195V			195V		
MPPT Voltage Range		180-800V			180-800V		
Max. Input Current		32A*4		32A*5		36A*8	
Max. Short Circuit Current		40A*4		40A*5		50A*8	
MPPT Number		4		5		8	
Max. Input Strings Number		8		10		16	
Output AC							
Rated output power	35kW	40kW	45kW	50kW	60kW	70kW	75kW
Max. apparent output power	38.5kVA	44kVA	49.5kVA	55kVA	66kVA	78kVA	75kVA
Max. output power	38.5kW	44kW	49.5kW	55kW		/	
Rated grid voltage				127/220V, 3/N/PE			
Rated grid frequency				50Hz/60Hz			
Rated output current	91.9A	105A	118.1A	131.2A	157.5A	183.7A	196.8A
Max. output current	101A	115.5A	130A	144.3A	157.5A	183.7A	196.8A
Power factor				>0.99① & Leading, 0.8lagging②			
THDi					<3%		
Efficiency							
Max. efficiency	98.5%		98.6%				98.5%
EU efficiency	98.3%		98.3%				98.3%
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			
UV Curve scanning				Yes			
Integrated AFCI				Yes			
(DC arc-fault circuit protection)				Optional			
Anti-backflow				Optional			
General Data							
Dimensions (W*H*D)		100*668*57mm					100*668*57mm
Weight	~75kg			82kg			96kg
Self consumption(night)		<2W		<2W			<2W
Operating temperature range		-30~+40°C					-30~+40°C
Cooling concept		Fan-cooling					Fan-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 standard							
Safety/EMC standard							
Type of DC terminal							
Type of AC terminal							
Display&Communication							
Display							
Communication Interface							



ELECTRIC ENERGY STORAGE

EESC Series

EESB-L



Modular prefabrication,
no need for on-site
installation



Multiple fuse
protection



High protection
level



Low operating power
consumption



Module	EESC Series
system capacity	2.5MW/5MWh
Cell type	LFP 3.2V/314Ah
to configure	1P52S*8*12
PACK quantity	96
Rated voltage	1331.2V
Voltage range	1164.8-1497.6V
Protection level	IP55
Working temperature range	-30- 60°C
relative humidity	0-95% (no condensation)
Maximum operating altitude	< 2000m
Fire protection system	Water firefighting/perfluorohexane/aerosol (optional)
Auxiliary power supply	AC 400V 50Hz
weight	About 38 tons
Dimensions (length * width * height)	4058*2438*2896mm

Module	EESB-L
System specifications	209kW/418kWh
Cell type	LFP 3.2V/314Ah
to configure	1P416S
DC side voltage range	1164.8-1497.6V
Rated voltage on the AC side	690V
Rated frequency on the communication side	50Hz
power factor	0.99
Current distortion rate	<3%
Maximum system efficiency	>89%<0.5P
Charge/discharge rate	<0.5P
Protection level	IP55
Cooling method	Liquid cooling
Working temperature range	-30- 60°C
Fire protection system	Water firefighting/perfluorohexane/aerosol (optional)
Maximum operating altitude	< 2000m
weight	About 3.8 tons
Dimensions (width * depth * height)	1400*1300*2350mm



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



AC CHARGER

AUXSOL AC CHARGER is a practical, intelligent charging system for electric vehicles and plug-in hybrids, which connects to the MYAUXSOL (application) charging management platform using Wi-Fi or Bluetooth. The Charger comes with the addition of integrated DC leakage protection as standard.

AUXSOL CHARGER is compact, and features the most advanced technology to provide maximum charging performance.

AUXSOL CHARGER easily adapts to any installation, in private garages or shared parking.



Versatile



Communications:
4G, Wi-Fi, Ethernet,
RS485



Operating temperature
-30°C ~ 50°C



Multiple protection

	Basic version	Smart version	Public operating funds
	Product Information		
Product model	SACG11 A322Q11, SACG11 A163Q11, SACG11 A323Q11	SACG11 A322Q12, SACG11 A163Q12, SACG11 A323Q12	SACG11 A322Q13, SACG11 A163Q13, SACG11 A323Q13
Reference standards	EN IEC 61851-1		
Structural design	Cold rolled sheet fully spray coated, with reserved grounding screw, using transparent Toughened glass plate, silk screen operation instructions and card swiping area		
Installation method	Wall mounting, Pole mounting		
Hanging gun mode	Type 2 cable		Type 2 cable / Type 2 socket / Type 2 socket with shutter
Entry method	Cable entry and output: bottom		
working temperature	-30°C ~ 50°C		
authentication	CE		
Emergency stop button	Yes		
Output power selection	7kW/11kW/22kW		
Charging interface	1 x Type 2 plug (Case C)		
Measurement method	Onboard metering, 2% accuracy		MID/PTB certified, 1% accuracy
standby power	Standby Power Consumption: < 10W		
Protection function	Short circuit protection, overcurrent protection, over temperature protection, under voltage protection, grounding protection, leakage protection		
Leakage protection	Onboard integrated 6mA DC+30mA AC		
Is there a screen	None		Digital 4.3-inch LCD screen
Screen display content	/		Display charging current, voltage, power, charging time, and remaining battery level
Status display	Indicator Lights: LED strip displays charging station status		
Start up method	Offline RFID card, plug and charge		Offline RFID card, APP, plug and charge, management platform
Stop method	Swipe card to stop charging or automatically stop when fully charged		Swipe card to stop charging or automatically stop when fully charged
Card swiping standards	ISO/IEC 14443 A		ISO/IEC 14443 A, ISO/IEC 15693
Communication method	RS485		4G, Wi-Fi, Ethernet, RS485
CPU	F4 48pin		F4 100pin
Product Upgrade	Local upgrade (upgrade recording tool)		Remote automatic upgrade+local upgrade
Bluetooth	None		5.0
Platform Communication Protocol	None		OCPP 1.6J
Product dimensions	350*250*80mm H*W*D, Column:1300*150*80mm H*W*D		
Differences in measurement requirements among European countries	/		The European market requires MID certification; The German market requires PTB certification; The French market needs to support TIC measurement; The Dutch market needs to support P1 measurement



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°C
Capacity no Damping
- 
55°C
A+++
High Efficiency
- 
3m<35dB
Low Noise Operation
- 
8x
128KB
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-H18/4R 2HA-M (NE)	ACHP-H20/4R 2HA-M (NE)	ACHP-H22/4R 2HA-M (NE)	ACHP-H24/4R 2HA-M (NE)	ACHP-H26/4R 2HA-M (NE)	ACHP-H28/4R 2HA-M (NE)			
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	3.2	3.25	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 class ⁷	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			
Wiring	Power wiring	mm ²	3*4mm ² +3*4mm ²				3*6mm ² +3*4mm ²				3*4mm ²				3*6mm ²			

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-H18/5R 2HA-M (NE)	ACHP-H20/5R 2HA-M (NE)	ACHP-H22/5R 2HA-M (NE)	ACHP-H24/5R 2HA-M (NE)			
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 class ⁷	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		
Wiring	Power wiring	mm ²	5*4mm ² +5*4mm ²			5*6mm ² +5*4mm ²			5*6mm ²					

R290 ALL IN ONE

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.



316 stainless steel



45mm insulation layer



Low Noise Operation



Build in the water flow sensor



Build in 3-way valve

R290 All In One

Model name		8kW	10kW	12kW	14kW	16kW	12kW	14kW	16kW		
Model		AC08H16 R290A19	AC10H10 R290A19	AC12H10 R290A19	AC14H16 R290A19	AC16H16 R290A19	AC08H10 R290A19	AC14H16 R290A19	AC16H16 R290A19		
Power supply	Monobloc Unit	220-240/1/50			220-240/1/50			380-415/3/50			
	V/Ph/H										
Heating2	Capacity	8.1	9.8	11.6	13.6	15.1	11.6	13.6	15.1		
	Rated input	1.62	2.04	2.37	2.83	3.21	2.37	2.83	3.21		
	COP	5	4.8	4.9	4.8	4.7	4.9	4.8	4.7		
Heating3	Capacity	7.6	9.4	11.5	14	14.8	11.5	14	14.8		
	Rated input	2.30	2.89	3.54	4.38	4.70	3.54	4.38	4.70		
	COP	3.3	3.25	3.25	3.2	3.15	3.25	3.2	3.15		
Cooling4	Capacity	8.1	9.8	11.6	13.6	15.8	11.6	13.6	15.8		
	Rated input	1.57	2.06	2.58	3.78	4.05	2.58	3.78	4.05		
	EER	5.15	4.75	4.5	3.6	3.9	4.5	3.6	3.9		
Cooling5	Capacity	7.4	8.8	11.1	12.5	14	11.1	12.5	14		
	Rated input	2.14	2.71	3.6	4.31	5.09	3.6	4.31	5.09		
	EER	3.45	3.25	3.05	2.9	2.75	3.05	2.9	2.75		
Seasonal space heating energy efficiency class ⁷	LWT at 35°C	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++		
	LWT at 55°C	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++		
	LWT at 55°C	5.1	5.1	4.71	4.71	4.75	4.71	4.71	4.75		
SCOP6	LWT at 35°C	3.85	3.85	3.825	3.825	3.825	3.825	3.825	3.825		
	LWT at 55°C	3.85	3.85	3.825	3.825	3.825	3.825	3.825	3.825		
DHW energy efficiency	Water heating energy efficiency class	A+	A+	A+	A+	A+	A+	A+	A+		
	COPDHW	2.95	2.95	2.88	2.88	2.88	2.88	2.88	2.88		
	Declared load profile	L			L			L			
Water pump	Pump head	m	9	9	9	9	9	9	9		
	Max Flow	m ³ /h	4.5	4.5	4.5	4.5	4.5	4.5	4.5		
	Adapter diameter		DN25	DN25	DN25	DN25	DN25	DN25	DN25		
	Factory charge	kg	0.85	0.85	1.35	1.35	1.35	1.35	1.35		
sound pressure level	Outdoor Unit	dB(A)	44	44	45	46	47	45	46		
	Indoor Unit		31			31			31		
Sound power level	Outdoor Unit	dB	57	57	58	59	60	58	59		
	Indoor Unit		43			43			43		
Packed dimensions (W×H×D)	Outdoor Unit	mm	1355*545*1210			1355*545*1210			1355*545*1210		
	Indoor Unit	mm	700*682*1835			700*682*1835			700*682*1835		
Body dimensions (W×D×H)	Outdoor Unit	mm	1280*420*1040			1280*420*1040			1280*420*1040		
	Indoor Unit	mm	600*600*1720			600*600*1720			600*600*1720		
Operating temperature range	Cooling	°C	-5 - 43			-5 - 43			-5 - 43		
	Heating	°C	-25 - 35			-25 - 35			-25 - 35		
	Domestic hot water	°C	-25 - 43			-25 - 43			-25 - 43		
	Cooling	°C	5 - 25			5 - 25			5 - 25		
Setting water temperature range	Heating	°C	25 - 80			25 - 80			25 - 80		
	Domestic hot water	°C	30 - 75			30 - 75			30 - 75		
	Piping connections	inch	G1" BSP			G1" BSP			G1" BSP		
	DHW Piping connections	inch	G3/4" BSP			G3/4" BSP			G3/4" BSP		
Water circuit	Safety valve set pressure	MPa	0.3			0.3			0.3		
	Flow switch	m ³ /h	0.6			0.6			0.6		
	Expansion	Volume L	8			8			8		
	Capacity of the back-up heater	kW	3			3			3		
	Water side	Type	Plate type			Plate type			Plate type		
Stuffing Quantity	Outdoor Unit	Unit	68/33/16			68/33/16			68/33/16		
	Indoor Unit		51/51/24			51/51/24			51/51/24		

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