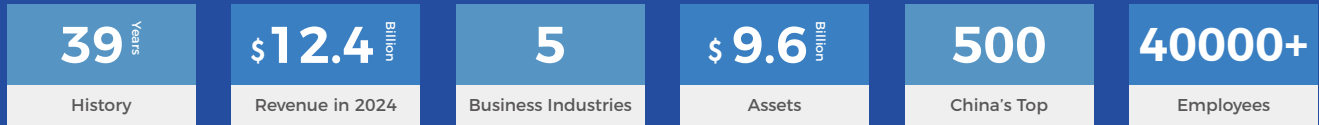


AUX GROUP

Established in 1986, AUX Group is an enterprise which covers 5 industries. It ranked China's top 500 enterprises for consecutive years, 40000+ employees keep AUX fast development for recent years.



R&D Strength

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



6 R&D centers



50+
Top experts in the industry



21261 Patents



100 million
Average annual investment



3 CNAS labs



5474 R&D
engineers

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THREE PHASE
ON-GRID INVERTER
5-15kW-G2



THREE PHASE ON-GRID INVERTER

ASN-(5-15)TL-G2

KEY FEATURES



High Efficiency

- » Supports oversizing 1.5x DC/AC
- » 140V low start-up voltage enables early startup and more energy generation



Smart

- » Ultra-wide grid voltage design with automatic voltage regulation technology ensures uninterrupted operation even under unstable grid conditions



User-Friendly

- » Silent design (<35dB)



Safe & Reliable

- » IP66 protection rating, adaptable to harsh operating environments
- » Intelligent AFCI reduces fire risk
- » Pure film capacitors with a 25-year design lifespan.



Economical & Cost-Saving

- » No power derating at 45°C, more reliable with more yield

	ASN-5TL-G2	ASN-6TL-G2	ASN-8TL-G2	ASN-10TL-G2	ASN-12TL-G2	ASN-15TL-G2
Input DC						
Max.input power	7.5kW	9kW	12kW	15kW	18kW	22.5kW
Max. Input Voltage	1100V					
Rated Voltage	620V					
Start-Up Voltage	140V					
MPPT Voltage Range	140-1000V					
Max. Input Current	20A/20A					26A/20A
Max. Short Circuit Current	25A/25A					32A/25A
MPPT Number	2					2
Max. Input Strings Number	2					3
Output AC						
Rated output power	5kW	6kW	8kW	10kW	12kW	15kW
Max.apparent output power	5.5kVA	6.6kVA	8.8kVA	11kVA	13.2kVA	16.5kW
Max.output power	5.5kW	6.6kW	8.8kW	11kW	13.2kW	16.5kW
Rated grid voltage	220V/380V,230V/400V,3/N/PE					
Grid voltage range	162-300V(Phase voltage),280-520V(Line voltage)					
Rated grid frequency	50 Hz/60 Hz					
Rated grid output current	7.2A	8.7A	11.5A	14.4A	17.3A	21.7A
Max.output current	7.9A	9.5A	12.7A	15.9A	19.1A	23.8A
Power factor	1 (0.8 Leading ~ 0.8Lagging)					
THDi	<3%					
Efficiency						
Max. efficiency	98.6%					
EU efficiency	98.3%					
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					
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					15.1 kg
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 standard	NB/T32004,EN 50549-1,CGC/GF 035-2013,VDE-AR-N 4105					
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					

Note: The specification and key features described in this datasheet may deviate slightly and are not guaranteed. AUXSOL reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the latest version of the datasheet, any commercial contracts that may be signed will be based on the most recentversion at the moment of signing the contract.