

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.

39 Years History	\$12.4 Billion Revenue in 2024	5 Business Industries	\$9.6 Billion Assets	500 China's Top	40000+ Employees
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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

Ningbo AUX Solar Import & Export Co., Ltd.

No.17Fenglin Road, Cicheng Town,
Jiangbei District, Ningbo City, zhejiang Province, China



LinkedIn

✉ info@auxsol.com
🌐 www.auxsol.com
☎ +86 0574-8765 2201



**THREE PHASE
ON-GRID INVERTER**

70-110kW

THREE PHASE ON-GRID INVERTER



ASN-(70-110)TL

KEY FEATURES



High Efficiency

- » Supports oversizing 1.5x DC/AC
- » 195V 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



Safe & Reliable

- » IP66 protection rating, adaptable to harsh operating environments
- » Intelligent AFCI reduces fire risk



Economical & Cost-Saving

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

	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			
Anti-backflow			Optional			
Integrated AFCI (DC arc-fault circuit protection)			Optional			
I/V Curve scanning			Optional			
24-hour load monitoring			Optional			
General Data						
Dimensions (W*H*D)	1007*668*357mm					
Weight	83kg				88kg	
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,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	MC4 connector					
Type of AC terminal	OT terminal					
Display&Communication						
Display	LED+Bluetooth+APP					
Communication Interface	RS485,Optional:WIFI,4G,PLC					

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 recent version at the moment of signing the contract.