

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

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

10-15kW-LV



THREE PHASE ON-GRID INVERTER

ASN-(10-15)TL-LV

KEY FEATURES



High Efficiency
» Supports oversizing 1.5x DC/AC



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
» Pure film capacitors with a 25-year design lifespan.



Economical & Cost-Saving
» No power derating at 45°C, more reliable with more yield

	ASN-10TL-LV	ASN-12TL-LV	ASN-15TL-LV
Input DC			
Max.input power	15kW	18kW	22.5kW
Max. Input Voltage	800V		
Rated Voltage	360V		
Start-Up Voltage	200V		
MPPT Voltage Range	200-800V		
Max. Input Current	32A/32A		
Max. Short Circuit Current	40A/40A		
MPPT Number	2		
Max. Input Strings Number	4		
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	103-159(Phase voltage),178-276V(Line voltage)		
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)		
THDi	<3%		
Efficiency			
Max.efficiency	98.50%		
EU efficiency	98.00%		
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		
I/V Curve scanning	Yes		
Strings monitoring	Optional		
Antibackflow	Optional		
Integrated AFCI (DC arc-fault circuit protection)	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 Standard	NB/T32004,EN50549-1,PN-EN 50549-1,PSE, PTPiREE,RD647,RD413,RD1699,UNE 217001/2,NTS631,NC RfG		
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	OT terminal		
Display&Communication			
Display	LED+Bluetooth+APP		
Communication Interface	RS485,Optional:WIFI,4G		

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.