

# THREE PHASE ON-GRID INVERTER

ASN-(5-15)TL-G2



## KEY FEATURES



### High Efficiency

- » Max. 20A single string current, compatible with 180/210 large modules
- » 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
- » Supports 24-hour load uninterruptible power monitoring (Optional)



### User-Friendly

- » Silent design (<35dB)
- » Support RS485, WiFi, 4G, LAN, Suspec different communication methods



### Safe & Reliable

- » Supports I-V curve scanning, accurately identifying string anomalies
- » Intelligent AFCI reduces fire risk (Optional)
- » Pure film capacitors with a 25-year design lifespan

## 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

## AUXSOL

WIN A GREEN FUTURE TOGETHER

### Ningbo AUX Solar Import & Export Co., Ltd.

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



✉ info@auxsol.com

🌐 www.auxsol.com

☎ +86 0574-8765 2201

	ASN-5TL-G2	ASN-6TL-G2	ASN-8TL-G2	ASN-10TL-G2	ASN-12TL-G2	ASN-15TL-G2
PV INPUT						
Max. PV input power	7.5kW	9kW	12kW	15kW	18kW	22.5kW
Max. PV input voltage	1100V					
Rated PV input voltage	620V					
Start-up voltage	140V					
MPPT voltage range	140-1000V					
Max. PV input current	20A/20A					26A/20A
Max. short circuit current	25A/25A					32A/25A
MPPT number/Max. input strings number	2/2					2/3
AC OUTPUT						
Rated output power	5kW	6kW	8kW	10kW	12kW	15kW
Max. apparent output power	5.5kVA	6.6kVA	8.8kVA	11kVA	13.2kVA	16.5kVA
Rated output voltage	220V/380V,230V/400V,3L/N/PE					
Output voltage range	162-300V(Phase voltage),280-520V(Line voltage)					
Rated output frequency/ frequency range	50Hz/60Hz (±5Hz)					
Rated 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	>0.99 (0.8 leading ... 0.8 lagging)					
THDi	<3%					
EFFICIENCY						
MPPT efficiency	99.80%					
Max. efficiency	98.60%					
EU efficiency	98.3%					
PROTECTION						
Integrated DC switch	Yes					
DC rever-polarity protection	Yes					
Insulation impedance detection	Yes					
Residual leakage current detection	Yes					
Ground fault monitoring	Yes					
Short circuit protection	Yes					
Anti-islanding protection	Yes					
DC/AC surge protection	DC:Type II;AC:Type II					
DC arc-fault circuit protection	Optional					
I/V curve scanning	Yes					
GENERAL						
Operating temperature range	-30...+60℃					
Max. operation altitude	4000m (Derating above 3000m)					
Relative humidity	0-100%					
Cooling concept	Natural Cooling					
Ingress protection	IP66					
Topology	Transformerless					
Night self consumption	<1W					
Dimensions (W*H*D)	430*335*175.5mm					
Weight	12.6kg					15.1kg
COMMUNICATION						
Display	LED+Bluetooth+APP (Optional:LCD)					
Communication	RS485,Optional:WIFI,4G,LAN					
CERTIFICATION						
Grid standards	EN 50549-1,IEC 61727/ 62116,IEC 61683,VDE 4105,VDE 0124,G98					
Safety/EMC	IEC/EN 62109-1/2,EN IEC61000-6-1/2/3/4,EN IEC 61000-3-11/12					

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.