

THREE PHASE ON-GRID INVERTER

ASN-(12-25)TL



KEY FEATURES



High Efficiency

- » Max. MPPT current 32A, suitable for high-current/double-sided components
- » Wide MPPT voltage range to increase power generation for more PV revenue



Smart

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



User-Friendly

- » Support RS485, WiFi, 4G, LAN, Suspec different communication methods
- » Quick sweep access to AUXSOL Cloud, support remote upgrade and setup



Safe & Reliable

- » Intelligent AFCI reduces fire risk (Optional)
- » Pure film capacitors with a 25-year design lifespan.



Economical & Cost-Saving

- » Supports high power component access, low system installation and cable costs

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

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	ASN-12TL	ASN-15TL	ASN-17TL	ASN-20TL	ASN-23TL	ASN-25TL
PV INPUT						
Max. PV input power	18kW	22kW	22kW	26kW	30kW	32kW
Max. PV input voltage	1100V					
Rated PV input voltage	620V					
Start-up voltage	200V					
MPPT voltage range	200-1000V					
Max. PV input current	16A/16A	32A/16A	32A/32A			
Max. short circuit current	20A/20A	40A/20A	40A/40A			
MPPT number/Max. input strings number	2/2	2/3	2/4			
AC OUTPUT						
Rated output power	12kW	15kW	17kW	20kW	23kW	25kW
Max. apparent output power	13.2kVA	16.5kVA	18.7kVA	22kVA	25.3kVA	27.5kVA
Rated output voltage	220V/380V,230V/400V,3L/N/PE					
Output voltage range	178V-276V(Phase voltage),308-478(Line voltage)					
Rated output frequency/ frequency range	50Hz/60Hz (±5Hz)					
Rated output current	18.2A	22.8A	25.7A	30.3A	34.8A	37.8A
Max. output current	20.1A	25.1A	28.3A	33.3A	38.3A	39.8A
Power factor	>0.99 (0.8 leading ... 0.8 lagging)					
THDi	<3%					
EFFICIENCY						
MPPT efficiency	99.80%					
Max. efficiency	98.30%	98.50%				
EU efficiency	97.70%	97.80%	98%			
PROTECTION						
Integrated DC switch	Yes					
DC rever-polarity protection	Yes					
String monitoring	Optional					
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 C					
Max. operation altitude	4000m (Derating above 3000m)					
Relative humidity	0-100%					
Cooling concept	Smart Fan Cooling					
Ingress protection	IP66					
Topology	Transformerless					
Night self consumption	<1W					
Dimensions (W*H*D)	455*462*214mm					
Weight	23.5kg					
COMMUNICATION						
Display	LED+Bluetooth+APP					
Communication	RS485,Optional:WIFI,4G,LAN					
CERTIFICATION						
Grid standards	EN 50549-1 , IEC 61727/ 62116,IEC 61683,VDE 4105 VDE 0124,G99,UNE 217001,UNE 217002,NTS-631, NCRfG, PEA/DEWA,PTPiREE,INMETRO 140,INMETRO 515,					
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.