

THREE PHASE ON-GRID INVERTER

ASN-99TL-PLUS

ASN-100TL-PLUS

ASN-110TL-PLUS



KEY FEATURES



High Efficiency

- » MPPT supports max. current 40A, single string supports max. current 20A, compatible with 210 large modules
- » 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
- » Supports 24-hour load uninterruptible power monitoring (Optional)



User-Friendly

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



Safe & Reliable

- » Supports I-V curve scanning, accurately identifying string anomalies
- » Intelligent AFCI reduces fire risk (Optional)



Economical & Cost-Saving

- » Intelligent string monitoring, rapid identification of faulty strings, reducing safety risks (Optional)
- » 8-way MPPT design
- » No power derating at 45°C, more reliable with more yield

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.

40

Years

History

\$12

Billion

Revenue in 2025

5

Business Industries

\$11.2

Billion

Assets

500

China's Top

40000+

Employees

AUXSOL

Advance Unlimited X-tra Green Power

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	ASN-99TL-PLUS	ASN-100TL-PLUS	ASN-110TL-PLUS
PV INPUT			
Max. PV input power	150kW	150kW	165kW
Max. PV input voltage	1100V		
Rated PV input voltage	620V		
Start-up voltage	195V		
MPPT voltage range	180-1000V		
Max. PV input current	8*40A		
Max.short circuit current	8*50A		
MPPT number/Max. input strings number	8/16		
AC OUTPUT			
Rated output power	99kW	100kW	110kW
Max. apparent output power	99kVA	110kVA	121kVA
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	143A	144.5A	158.8A
Max.output current	143A	158.8A	174.6A
Power factor	>0.99 (0.8 leading ... 0.8 lagging)		
THDi	<3%		
EFFICIENCY			
MPPT efficiency	99.80%		
Max. efficiency	98.65%		
EU efficiency	98.35%		
PROTECTION			
Integrated DC switch	Yes		
DC rever-polarity protection	Yes		
Anti-islanding protection	Yes		
Short circuit protection	Yes		
Insulation impedance detection	Yes		
Ground fault monitoring	Yes		
Residual leakage current detection	Yes		
String monitoring	Yes		
DC/AC surge protection	DC:Type II,Optional:Type I+II/AC:Type II		
DC arc-fault circuit protection	Optional		
I/V curve scanning	Optional		
Anti-backflow	Optional		
GENERAL			
Operating temperature range	-30...+60℃		
Max. operation altitude	4000m (Derating above 3000m)		
Relative humidity	0-100%		
Cooling concept	Smart Fan Cooling		
Ingress protection	IP66		
Topology	Transformerless		
Night self consumption	<2W		
Dimensions (W*H*D)	1007*668*341mm		
Weight	80kg		
COMMUNICATION			
Display	LED+Bluetooth+APP		
Communication	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 recent version at the moment of signing the contract.