

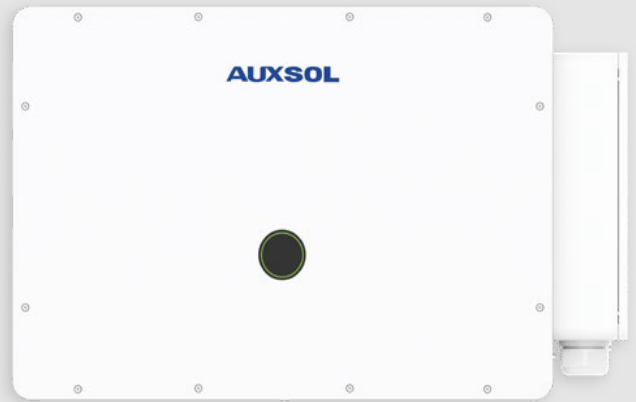
THREE PHASE ON-GRID INVERTER

ASN-100TL-PLUS

ASN-110TL-PLUS

ASN-50TL-LV-PLUS

ASN-75TL-LV-PLUS



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
- » 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

- » Supports I-V curve scanning, accurately identifying string anomalies



Economical & Cost-Saving

- » Intelligent string monitoring, rapid identification of faulty strings, reducing safety risks (Optional)
- » 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-100TL-PLUS	ASN-110TL-PLUS	ASN-50TL-LV-PLUS	ASN-75TL-LV-PLUS
PV INPUT				
Max. input power	150kW	165kW	75kW	112.5kW
Max. input voltage	1100V		800V	
Rated voltage	620V		420V	
Start-up voltage	195V		195V	
MPPT voltage range	180-1000V		180-800V	
Max. input current	8*40A		40A*5	40A*8
Max. short circuit current	8*50A		50A*5	50A*8
MPPT number	8		5	8
Max. input strings number	16		10	16
AC OUTPUT				
Rated output power	100kW	110kW	50kW	75kW
Max. apparent output power	110kVA	121kVA	55kVA	75kVA
Max. output power	110kW	121kW	55kW	75kW
Rated grid output current	144.5A	158.8A	131.2A	196.8A
Max. output current	158.8A	174.6A	144.3A	196.8A
Rated grid voltage	220V/380V,230V/400V,3/N/PE		127/220V, 3/N/PE	
Rated grid frequency	50Hz/60Hz			
Power factor	>0.99 (0.8 leading ... 0.8 lagging)			
THDi	<3%			
EFFICIENCY				
Max.efficiency	98.65%			
EU efficiency	98.35%			
MPPT efficiency	99.80%			
PROTECTION				
Integrated DC switch	Yes			
DC reverse-polarity protection	Yes			
Anti-islanding protection	Yes			
Short circuit protection	Yes			
Insulation impedance detection	Yes			
Ground fault monitoring	Yes			
Residual leakage current detection	Yes			
Strings monitoring	Yes			
DC/AC Surge protection	DC:Type II,Optional:Type I +II/ AC TypeII			
DC arc-fault circuit protection	Optional			
I/V Curve scanning	Optional			
Anti-backflow	Optional			
GENERAL DATA				
Dimensions (W*H*D)	1007*668*341mm			
Weight	80kg			90kg
Self consumption(night)	<2W			
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			
Type of DC terminal	MC4 connector			
Type of AC terminal	OT terminal			
DISPLAY&COMMUNICATION				
Display	LED+Bluetooth+APP			
Communication	Standard:RS485,Wifi,Optional:WLAN			

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.