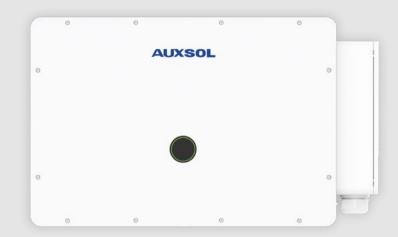


THREE PHASE ON-GRID INVERTER

ASN-(90-110)TL-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.



Assets

\$12.4 §
Revenue in 2024

China's Top

Business Industries

40000+ Employees



Ningbo AUX Solar Import & Export Co., Ltd.

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

















	ASN-90TL-PLUS	ASN-100TL-PLUS	ASN-110TL-PLUS
PV INPUT			
Max. PV input power	135kW	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	90kW	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 requests, requests range	130A	144.5A	158.8A
	143A	158.8A	174.6A
Max.output current	143A	>0.99 (0.8 leading 0.8 lagging)	174.0A
Power factor	>0.99 (0.8 leading 0.8 lagging) <3%		
THDi		< 5%	
EFFICIENCY MARKET officiency		00.00%	
MPPT efficiency	99.80%		
Max. efficiency	98.65%		
EU efficiency		98.35%	
PROTECTION			
Integrated DC switch	Yes		
DC rever-polarity protection	Yes		
String monitoring	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 (Optional:Type I)		
DC arc-fault circuit protection	Optional		
I/V curve scanning		Optional	
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	<2W		
Dimensions (W*H*D)	1007*668*341mm		
Weight	80kg		
COMMUNICATION			
Display		LED+Bluetooth+APP	
Communication		RS485,Optional:WIFI,4G	
CERTIFICATION		505/0.1/50/01505/0015	
Grid standards	EN 50549-1,IEC 61727/ 62116,IEC 61683,PEA		
Safety/EMC	IEC/EN 62109	9-1/2,EN IEC61000-6-1/2/3/4,EN IEC 61	000-3-11/12