

# THREE PHASE ON-GRID INVERTER

ASN-(90-110)TL



# **KEY FEATURES**



# **High Efficiency**

- » Max. MPPT current 32A, 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)



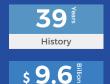
### **Economical & Cost-Saving**

- » 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.

\$ **2.4** 



Assets

Revenue in 2024 500 China's Top

**Business Industries** 





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

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	ASN-90TL	ASN-99TL	ASN-100TL	ASN-110TL
PV INPUT				
Max. PV input power	135kW	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	6*32A		10*32A	
Max. short circuit current	6*50A 10*50A			
MPPT number/Max. input strings number	6/12		10/20	
AC OUTPUT				
Rated output power	90kW	99kW	100kW	110kW
Max. apparent output power	99kVA	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	130A	143A	144.5A	158.8A
Max. output current	143A	143A	158.8A	174.6A
Power factor		>0.99 (0.8 leadir	ng 0.8 lagging)	
THDi	<3%			
EFFICIENCY				
MPPT efficiency		99.8	80%	
Max. efficiency	98.60%			
EU efficiency	98.30%			
PROTECTION				
ntegrated DC switch		Υ	es	
DC rever-polarity protection	Yes			
String monitoring	Yes			
nsulation 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			
√ 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			
ngress protection	IP66			
Topology	Transformerless			
Night self consumption	<2W			
Dimensions (W*H*D)	1007*668*341mm			
Weight	88kg			
COMMUNICATION				
Display		LED+Blue	tooth+APP	
Communication	RS485,Optional:WIFI,4G,PLC			
CERTIFICATION			,	
Grid standards	EN 50549-1,IEC 61727		05,VDE 4110,NCRfG,PEA,D	EWA,IRR,NRS 097,UI
ona standards	217001,UNE 217002,NTS-631 IEC/EN 62109-1/2,EN IEC61000-6-2/4,EN IEC 61000-3-11/12			