

THREE PHASE ON-GRID INVERTER

ASN-70TL

ASN-80TL

ASN-100TL

ASN-110TL



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 uninterrupted 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

Ningbo AUX Solar Import & Export Co., Ltd.

No. 518, Xinmei Road, Yinzhou District, Ningbo City, Zhejiang Province, China



info@auxsol.com
www.auxsol.com
+86 0574-8765 2201

	ASN-70TL	ASN-80TL	ASN-100TL	ASN-110TL
PV INPUT				
Max. PV input power	105kW	120kW	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	5*32A	6*32A	10*32A	
Max.short circuit current	5*50A	6*50A	10*50A	
MPPT number/Max. input strings number	5/10	6/12	10/20	
AC OUTPUT				
Rated output power	70kW	99kW	100kW	110kW
Max. apparent output power	77kVA	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	101A	115.5A	144.5A	158.8A
Max.output current	111.1A	127A	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			
Output over currentprotection	Yes			
Insulation impedance detection	Yes			
Ground fault monitoring	Yes			
Residual leakage current detection	Yes			
Strings monitoring	Optional			
DC/AC Surge protection	DC:Type II,Optional:Type I+II/AC:Type II			
DC arc-fault circuit protection	Optional			
I/V Curve scanning	Yes			
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.