

THREE PHASE ON-GRID INVERTER

ASN-100TL-G2

ASN-110TL-G2



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-100TL-G2	ASN-110TL-G2
PV INPUT		
Max. PV input power	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	100kW	110kW
Max. apparent output power	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	144.5A	158.8A
Max.output current	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 ,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...+60C	
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.