

AUX GROUP

Established in 1986, AUX Group is an enterprise which covers 5 industries. It ranked China's top 500 enterprises for consecutive years, 30000+ employees keep AUX fast development for recent years.



R&D Strength

AUX Solar team is always adhered to the philosophy "quality is the footstone, innovation is the soul". We are market-oriented, focus on the analysis of product technology trends and based on the real demands of customers. In order to provide customers the best products and more values. We keep improving the core competitiveness of products, comprehensively to achieve product leadership in solar industry.



THREE PHASE
ON-GRID INVERTER
5-15kW-G2



THREE PHASE ON-GRID INVERTER

ASN- 10TL-G2

KEY FEATURES



EFFICIENT

- Maximum efficiency 98.6%, MPPT maximum efficiency 99.8%
- Maximum string current 20A, compatible with 700W+ modules
- Supports 1.5x oversizing on the DC side
- Start-up voltage of 140V



INTELLIGENCE

- Advanced automatic voltage regulation technology ensures seamless adaptation to complex power grid conditions
- Optional 24/7 load monitoring functionality for continuous system insights
- Integrated intelligent management system for monitoring and optimization



FRIENDLY

- Quiet Operation: Features a noise-reducing design with sound levels below 35 dB
- Flexible Communication Options: Supports RS485, WiFi, 4G, LAN
- One-Tap Cloud Access: Seamlessly integrates with AUXSOL cloud via QR code, enabling remote upgrades and configuration



SAFE AND RELIABLE

- IP66 Protection, high protection level suitable for harsh environments
- Support I-V curve scanning, precisely detects string abnormalities
- Intelligent AFCI to reduce fire risks
- Designed with pure film capacitors on the busbar, significantly enhancing product lifespan
- Supports anti-backflow

ASN10TLG2	
Input DC	
Max.input power	15kW
Max. Input Voltage	1100V
Rated Voltage	620V
Start-Up Voltage	140V
MPPT Voltage Range	140-1000V
Max. Input Current	20A/20A
Max. Short Circuit Current	25A/25A
MPPT Number	2
Max. Input Strings Number	2
Output AC	
Rated output power	10kW
Max.apparent output power	11kVA
Max.output power	11kW
Rated grid voltage	220V/380V,230V/400V,3/N/PE
Grid voltage range	162-300V(Phase voltage),280-520V(Line voltage)
Rated grid frequency	50 Hz/60 Hz
Rated grid output current	14.4A
Max.output current	15.9A
Power factor	1 (0.8 Leading ~ 0.8Lagging)
THDi	<3%
Efficiency	
Max. efficiency	98.6%
EU efficiency	98.3%
MPPT efficiency	99.8%
Protection	
Integrated DC Switch	Yes
DC Rever-Polarity Protection	Yes
Anti-Islanding Protection	Yes
Short Circuit Protection	Yes
Output Over Current Protection	Yes
DC Surge Protection	Type II
AC Surge Protection	Type II
Insulation Impedance Detection	Yes
Ground fault monitoring	Yes
Residual leakage current detection	Yes
Temperature protection	Yes
AC Over voltage protection	Yes
DC Over current protection	Yes
I/V Curve scanning	Yes
24-hour load monitoring	Optional
Anti-backflow	Yes
Integrated AFCI (DC arc-fault circuit protection)	Yes
General Data	
Dimensions(W*H*D)	448*336*174mm
Weight	12.6kg
Self Consumption(night)	< 1W
Operating Temperature Range	-30...+60°C
Cooling Concept	Natural Cooling
Max. Operation Altitude	4000m (Derating above 3000m)
Relative Humidity	0~100%
Ingress Protection	IP66
Topology Structure	Transformerless
Grid connection standard/ Safety/EMC standard	IEC/EN 62109-1/2,EN IEC61000-6-1/2/3/4,EN IEC 61000-3-11,EN 61000-3-12, NB/T32004,EN 50549-1,CGC/GF 035-2013,VDE-AR-N 4105
Type of DC terminal	MC4 connector
Type of AC terminal	Quick connection plug
Display&Communication	
Display	LED+Bluetooth+APP (Optional:LCD)
Communication Interface	RS485,Optional:WIFI,4G,LAN

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.



THREE PHASE ON-GRID INVERTER

ASN-(15-25)TL

KEY FEATURES



String current
up to 16A



Wide range of
MPPT voltage



Max. 150%
DC/AC ratio



Max. efficiency
98.5%



AFCI function



I-V curve scan

ASN-15TL		ASN-20TL		ASN-25TL	
Input DC					
Max.input power	22kW	26kW	32kW		
Max.input voltage	1100V				
Rated voltage	620V				
Start-up voltage	200V				
MPPT voltage range	200-1000V				
Max.input current	32A/16A	32A/32A			
Max.short circuit current	40A/20A	40A/40A			
MPPT number	2				
Max. input strings number	3	4			
Output AC					
Rated output power	15kW	20kW	25kW		
Max.apparent output power	16.5kVA	22kVA	27.5kVA		
Rated grid voltage	220V/380V,230V/400V,3/N/PE				
Grid voltage range	178V-276V(Phase voltage) , 308-478(Line voltage)				
Rated grid frequency	50Hz/60Hz				
Rated output current	22.8A	30.3A	37.8A		
Max.output current	25.1A	33.3A	39.8A		
Power factor	1 (0.8 leading ... 0.8 lagging)				
THDi	<3%				
Efficiency					
Max. efficiency	98.50%	98.5%			
EU efficiency	97.80%	98%			
MPPT efficiency	99.8%	99.8%			
Protection					
Integrated DC switch	Yes				
DC reverse-polarity protection	Yes				
Anti-islanding protection	Yes				
Short circuit protection	Yes				
Output over current protection	Yes				
DC Surge protection	Type II				
AC Surge protection	Type II				
Insulation impedance detection	Yes				
Ground fault monitoring	Yes				
Residual leakage current detection	Yes				
Temperature protection	Yes				
Strings monitoring	Optional				
Anti-backflow	Yes				
Integrated AFCI (DC arc-fault circuit protection)	Yes				
I/V Curve scanning	Optional				
General Data					
Dimensions (W H D)	455*462*214mm				
Weight	25kg				
Self consumption(night)	<1W				
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				
Grid connection standard	NB/T 32004,EN 50549-1,IEC 61727,IEC 62116,IEC 61683,UNE 217001/2,NTS-631,PSE,PTPiREE,NC RfG				
Safety/EMC standard	IEC/EN 62109-1/2,EN IEC 61000-6-1/2/3/4,EN IEC 61000-3-11,EN 61000-3-12				
Type of DC terminal	MC4 connector				
Type of AC terminal	OT Terminal				
Display&Communication					
Display	LED+Bluetooth+APP				
Communication Interface	RS485,Optional: WIFI,4G				

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