

THREE PHASE ON-GRID INVERTER

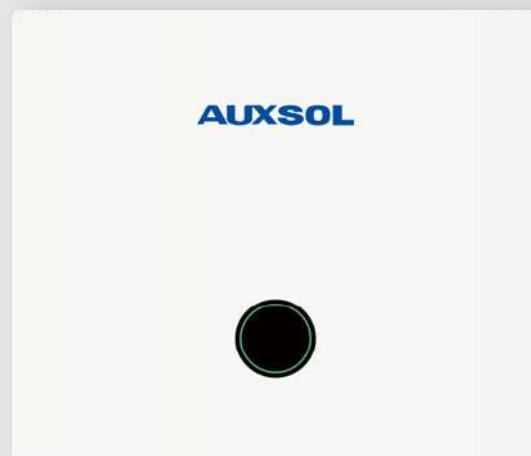
ASN-20TL-G3

ASN-25TL-G3

ASN-30TL-G3

ASN-10TL-LV-G3

ASN-15TL-LV-G3



High Efficiency

- » Max. MPPT current 40A, suitable for high-current/double-sided components
- » Wide MPPT voltage range to increase power generation for more PV revenue



Smart

- » Ultra-wide grid voltage design with automatic voltage regulation technology ensures uninterrupted operation even under unstable grid conditions
- » Integrated Intelligent Management System



User-Friendly

- » Support RS485, WiFi, 4G, LAN, Suspec different communication methods
- » Quick sweep access to AUXSOL Cloud, support remote upgrade and setup



Safe & Reliable

- » Intelligent AFCI reduces fire risk (Optional)
- » Pure film capacitors with a 25-year design lifespan.



Economical & Cost-Saving

- » Supports high power component access, low system installation and cable costs

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

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	ASN-20TL-G3	ASN-25TL-G3	ASN-30TL-G3	ASN-10TL-LV-G3	ASN-15TL-LV-G3
PV INPUT					
Max .input power	30kW	37.5kW	32kW	15kW	22.5kW
Max. input voltage	1100V			800V	
Rated voltage	620V			360V	
Start-up voltage	160V			200V	
MPPT voltage range	150-1000V			200-800V	
Max. input current	40A/40A		32A/32A	40A/32A	
Max.short circuit current	50A/50A		40A/40A	50A/40A	
MPPT number	2		2	2	
Max. input strings number	3		4	4	
AC OUTPUT					
Rated output power	20kW	25kW	30kW	10kW	15kW
Max.apparent output power	22kVA	27.5kVA	33kVA	11kVA	15kVA
Max.output power	22kW	27.5kW	33kW	11kW	15kW
Rated grid output current (@400V)	28.9A	36.1A	43.3A	26.2A	39.4A
Max.output current	31.8A	39.7A	47.6A	28.9A	39.4A
Rated grid voltage	220V/380V,230V/400V,3/N/PE			127/220V, 3/N/PE	
Grid voltage range	162-300V(Phase voltage),280-520V(Line voltage)			103-159(Phase voltage), 178-276V(Line voltage)	
Rated grid frequency	50 Hz/60 Hz				
Power factor	1 (0.8 leading ... 0.8 lagging)				
THDi	<3%				
EFFICIENCY					
Max. efficiency	98.50%				
EU efficiency	98.00%				
MPPT efficiency	99.80%				
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				
I/V Curve scanning	Yes				
Strings monitoring	Yes				
DC/AC Surge protection	DC Type II / AC Type II				
Anti-backflow	Optional				
DC arc-fault circuit protection	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				
Type of DC terminal	MC4 connector				
Type of AC terminal	OT terminal				
DISPLAY&COMMUNICATION					
Display	LED+Bluetooth+APP				
Communication	Standard:RS485,Wifi, Optional:WLAN				

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.