

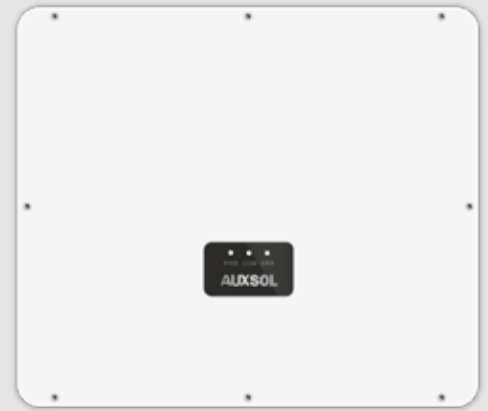
THREE PHASE ON-GRID INVERTER

ASN-20TL-G3

ASN-25TL-G3

ASN-30TL-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



User-Friendly

- » Support RS485, WiFi, WLAN, SunSpec different communication methods
- » Quick sweep access to AUXSOL Cloud, support remote upgrade and setup



Safe & Reliable

- » Intelligent AFCI reduces fire risk (Optional)

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-20TL-G3	ASN-25TL-G3	ASN-30TL-G3	ASN-15TL-LV-G3
PV INPUT				
Max .input power	30kW	37.5kW	45kW	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		40A/40A/20A	40A/40A
Max.short circuit current	50A/50A		50A/50A/40A	50A/50A
MPPT number	2		3	2
Max. input strings number	4		5	4
AC OUTPUT				
Rated output power	20kW	25kW	30kW	15kW
Max.apparent output power	22kVA	27.5kVA	33kVA	15kVA
Max.output power	22kW	27.5kW	33kW	15kW
Rated grid output current (@400V)	28.9A	36.1A	43.3A	39.4A
Max.output current	31.8A	39.7A	47.6A	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)			103-159V
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 reverse-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.