

THREE PHASE ON-GRID INVERTER

ASN-50TL-G2

ASN-60TL-G2

ASN-75TL-G2

ASN-80TL-G2



KEY FEATURES



High Efficiency

- » Single MPPT supports a Max. current of 48A, single string supports a Max. current of 20A, compatible with 210 large modules
- » 180V 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
- » PID repair function to enhance system power generation (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)
- » 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-50TL-G2	ASN-60TL-G2	ASN-70TL-G2	ASN-75TL-G2	ASN-80TL-G2
PV INPUT					
Max. PV input power	75kW	90kW	105kW	112.5kW	120kW
Max. PV input voltage	1100V				
Rated PV input voltage	630V				
Start-up voltage	180V				
MPPT voltage range	150-1000V				
Max. PV input current	4*40A	4*48A			
Max.short circuit current	4*50A	4*60A			
MPPT number/Max. input strings number	4/8	4/12			
AC OUTPUT					
Rated output power	50kW	60kW	70kW	75kW	80kW
Max. apparent output power	55kVA	66kVA	77kVA	82.5kVA	88kVA
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	72.2A	86.6A	101A	108.3A	115.5A
Max. output current	79.4A	95.3A	111A	119.1A	127A
Power factor	>0.99 (0.8 leading ... 0.8 lagging)				
THDi	<3%				
EFFICIENCY					
MPPT efficiency	>99.8%				
Max. efficiency	98.60%				
EU efficiency	98.30%				
PROTECTION					
Integrated DC switch	Yes				
DC rever-polarity protection	Yes				
String monitoring	Optional				
Insulation impedance detection	Yes				
Residual leakage current detection	Yes				
Ground fault monitoring	Yes				
Short circuit protection	Yes				
Anti-islanding protection	Yes				
DC/AC surge protection	DC:Type II;AC:Type II				
PID recovery	Optional				
DC arc-fault circuit protection	Optional				
I/V curve scanning	Yes				
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	<1W				
Dimensions (W*H*D)	735*530*285mm				
Weight	60kg				
COMMUNICATION					
Display	LED+Bluetooth+APP(Optional:LCD)				
Communication	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.