

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.

39 ^{Years}	\$12.4 ^{Billion}	5	\$ 9.6 ^{Billion}	500	40000+
History	Revenue in 2024	Business Industries	Assets	China's Top	Employees

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.



6 R&D centers



50+
Top experts in the industry



21261 Patents



100 million
Average annual investment



3 CNAS labs



5474 R&D
engineers

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THREE PHASE
ON-GRID INVERTER
30-40kW-LV-G2

THREE PHASE ON-GRID INVERTER



ASN-(30-40)TL-LV-G2

KEY FEATURES



High Efficiency

- » Single MPPT supports a maximum current of 48A, single string supports a maximum current of 20A, compatible with 210 large modules.
- » Supports oversizing 1.5x DC/AC
- » 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



Safe & Reliable

- » IP66 protection rating, adaptable to harsh operating environments
- » Intelligent AFCI reduces fire risk
- » Pure film capacitors with a 25-year design lifespan.



Economical & Cost-Saving

- » No power derating at 45°C, more reliable with more yield

	ASN-30TL-LV-G2	ASN-40TL-LV-G2
Input DC		
Max.input power	45kW	60kW
Max.input voltage	800V	
Rated voltage	360V	
Start-up voltage	180V	
MPPT voltage range	150-800V	
Max.input current	48/48/48/48A	
Max.short circuit current	60/60/60/60A	
MPPT number	4	
Max. input strings number	12	
Output AC		
Rated output power	30kW	40kW
Max.apparent output power	33kVA	44kVA
Max.ouput power	33kW	44kW
Rated grid voltage	127/220V,3/N/PE	
Grid voltage range	92-173(Phase voltage),160-300V(Line voltage)	
Rated grid frequency	50/60Hz	
Rated output current	78.7A	105A
Max.output current	86.6A	115.5A
Power factor	>0.99(0.8 Leading...0.8Lagging)	
THDi	<3%	
Efficiency		
Max.efficiency	98.60%	
EU efficiency	98.00%	
MPPT efficiency	>99.8%	
Protection		
Integrated DC switch	Yes	
DC rever-polarity protection	Yes	
Anti-islanding protection	Yes	
Short circuit protection	Yes	
Output over currentprotection	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	
Strings monitoring	Optional	
PID	Optional	
Antibackflow	Optional	
Integrated AFCI (DC arc-fault circuit protection)	Optional	
General Data		
Dimensions (W*H*D)	735*530*285mm	
Weight	60kg	
Self consumption(night)	<1W	
Operating temperature range	-30~60℃	
Cooling concept	fan-cooling	
Max. operation altitude	4000m	
Relative humidity	0-100%	
Ingress protection	IP66	
Topology structure	No transformer	
Grid connection standard	NB/T32004,EN 50549-1,IEC 63027,PORTARIA N°515	
Safety/EMC standard	IEC/EN 62109-1/2,EN IEC61000-6-1/2/3/4,EN IEC 61000-3-11,EN 61000-3-12	
Type of DC terminal	MC-4	
Type of AC terminal	OT Terminal	
Display&Communication		
Display	LED,Optional:LCD	
Communication Interface	RS485,Optinal: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 recentversion at the moment of signing the contract.