AUXSOL WIN A GREEN FUTURE TOGETHER

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 History \$12.4 Revenue in 2024

Business Industries

\$ 9.6

500 China's Top 40000+ 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



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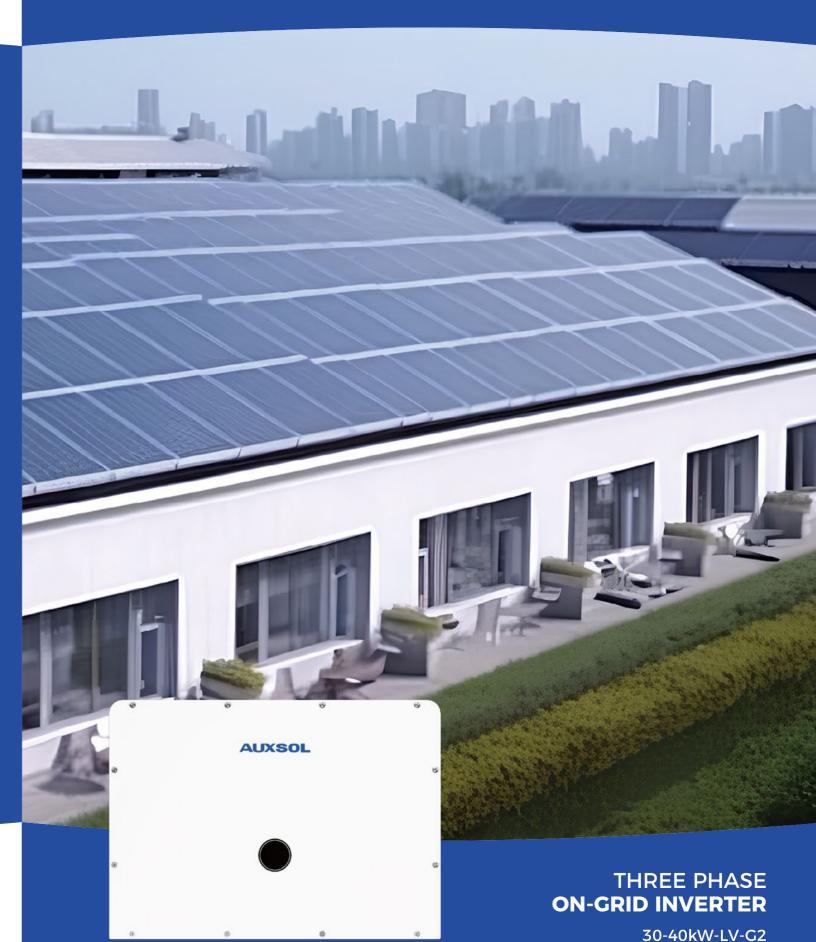
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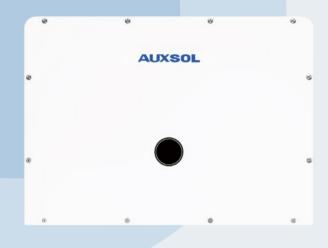








THREE PHASE ON-GRID INVERTER



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	0(0.8 Loading 0.9 agains)	115.5A
Power factor	>0.99(0.8 Leading0.8Lagging) <3%		
THDi		<5%	
Efficiency		00.000/	
Max.efficiency		98.60% 98.00%	
EU efficiency		>98.00%	
MPPT efficiency Protection		>99.6%	
		Vee	
Integrated DC switch DC rever-polarity protection		Yes 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°C	
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	R	S485,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 artime 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.