

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.



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**

30kW-G2

THREE PHASE ON-GRID INVERTER



ASN-30TL-G2

KEY FEATURES



High Efficiency

- » Single MPPT supports a maximum current of 40A, single string supports a maximum current of 20A, compatible with 210 large modules
- » Supports oversizing 1.5x DC/AC
- » 160V 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

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Input DC

Max.input power	45kW
Max.input voltage	1100V
Rated voltage	620V
Start-up voltage	160V
MPPT voltage range	150-1000V
Max.input current	40A/32A/32A
Max.short circuit current	50A/40A/40A
MPPT number	3
Max. input strings number	6

Output AC

Rated output power	30kW
Max.apparent output power	33kVA
Max.output power	33kW
Rated grid voltage	220V/380V,230V/400V,3/N/PE
Grid voltage range	162-300V(Phase voltage),280-520V(Line voltage)
Rated grid frequency	50Hz/60 Hz
Rated grid output current	43.3A
Max.output current	47.6A
Power factor	1 (0.8 leading ... 0.8 lagging)
THDi	<3%

Efficiency

Max. efficiency	98.6%
EU efficiency	98.2%
MPPT efficiency	99.8%

Protection

Integrated DC switch	Yes
DC rever-polarity protection	Yes
Anti-islanding protection	Yes
Short circuit protection	Yes
Output over current protection	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
Strings monitoring	Optional
24-hour load monitoring	Optional
Anti-backflow	Optional

General Data

Dimensions (W*H*D)	524*419*198mm
Weight	24.5kg
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
Grid connection standard	NB/T32004, EN 50549-1, IEC 61727, IEC 62116, IEC 61683, VDE 4105
Safety/EMC standard	EN IEC61000-6-1/2/3/4, EN IEC 61000-3-11, EN 61000-3-12
Type of DC terminal	MC4 connector
Type of AC terminal	OT terminal

Display&Communication

Display	LED+Bluetooth+APP(Optional:LCD)
Communication Interface	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.