

SINGLE PHASE ON-GRID INVERTER

ASN-(3-3.3)SL-G2



KEY FEATURES



High Efficiency

- » Max. 18A single string current, compatible with 210 large modules
- » 40V 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
- » Supports 24-hour load uninterruptible power monitoring (Optional)



User-Friendly

- » Silent design (<35dB)
- » Support RS485, WiFi, 4G, LAN, Suspec different communication methods



Safe & Reliable

- » Supports I-V curve scanning, accurately identifying string anomalies
- » Intelligent AFCI reduces fire risk (Optional)



Economical & Cost-Saving

- » Compact and lightweight design for easy installation and maintenance

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

\$11.8

Billion

Revenue in 2025

5

Business Industries

\$9.6

Billion

Assets

500

China's Top

40000+

Employees

AUXSOL

WIN A GREEN FUTURE TOGETHER

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	ASN-3SL-G2	ASN-3.3SL-G2
PV INPUT		
Max. PV input power	4.5kW	4.95kW
Max. PV input voltage	550V	
Rated PV input voltage	360V	
Start-up voltage	40V	
MPPT voltage range	40-520V	
Max. PV input current	18A	
Max. short circuit current	22A	
MPPT number/Max. input strings number	1/1	
AC OUTPUT		
Rated output power	3kW	3.3kW
Max. apparent output power	3.3kVA	3.3kVA
Rated output current	13.6A	15A
Max. output current	15A	15A
Rated output voltage	220V/230V/240V, L/N/PE	
Output voltage range	160~300V	
Rated output frequency/ frequency range	50Hz/60Hz (±5Hz)	
Power factor	>0.99 (0.8 leading ... 0.8 lagging)	
THDi	<3%	
EFFICIENCY		
MPPT efficiency	99.80%	
Max. efficiency	97.5%	
EU efficiency	97.0%	
PROTECTION		
Integrated DC switch	Yes	
DC reverse-polarity protection	Yes	
String monitoring	Yes	
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	
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	Natural Cooling	
Ingress protection	IP66	
Topology	Transformerless	
Night self consumption	<1W	
Dimensions (W*H*D)	269.5*254.5*145mm	
Weight	3.1kg	
COMMUNICATION		
Display	LCD+LED+Bluetooth+APP	
Communication	RS485,Optional:WIFI,4G,LAN	
CERTIFICATION		
Grid standards	IEC 61727/62116,IEC 61683,EN50549,INMETRO 140,INMETRO 515	
Safety/EMC	IEC/EN 62109-1/2,EN IEC61000-6-1/2/3/4,EN IEC 61000-3-11/12	