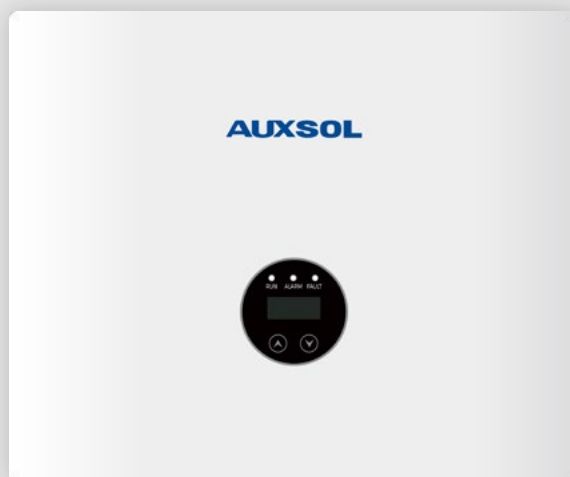


SINGLE PHASE ON-GRID INVERTER

ASN-(3-3.3)SL

ASN-(3.6-6)SL-G2



KEY FEATURES



High Efficiency

- » Supports oversizing 1.5x DC/AC
- » 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



User-Friendly

- » Silent design (<35dB)



Safe & Reliable

- » IP66 protection rating, adaptable to harsh operating environments
- » Intelligent AFCI reduces fire risk (Optional)



Economical & Cost-Saving

- » Compact and lightweight design for easy installation and maintenance
- » 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.

39

Years

History

\$12.4

Billion

Revenue in 2024

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	ASN-3.3SL	ASN-3.6SL-G2	ASN-4SL-G2	ASN-4.6SL-G2	ASN-5SL-G2	ASN-6SL-G2
PV INPUT							
Max. PV input power	4.5kW	4.95kW	5.4kW	6kW	6.9kW	7.5kW	9kW
Max. PV input voltage	550V		550V				
Rated PV input voltage	360V		360V				
Start-up voltage	40V		40V				
MPPT voltage range	40-520V		40-520V				
Max. PV input current	18A		18A/18A				
Max. short circuit current	22A		22A/22A				
MPPT number/Max. input strings number	1/1		2/2				
AC OUTPUT							
Rated output power	3kW	3.3kW	3.6kW	4kW	4.6kW	5kW	6kW
Max. apparent output power	3.3kVA	3.3kVA	3.96kVA	4.4kVA	5.06kVA	5.5kVA	6kVA
Rated output voltage	220V/230V/240V, L/N/PE						
Output voltage range	160-300V						
Rated output frequency/ frequency range	50Hz/60Hz (±5Hz)						
Rated output current	13.6A	15A	16.4A	18.2A	20.9A	22.7A	27.3A
Max. output current	15A	15A	18A	20A	23A	25A	27.3A
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 rever-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 C						
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)	297*239*139mm		330*268*168mm				
Weight	5.3kg		7.8kg				
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		EN 50549-1,IEC 61727/ 62116,IEC 61683,INMETRO 140,INMETRO 515				
Safety/EMC	IEC/EN 62109-1/2,EN IEC61000-6-1/2/3/4,EN IEC 61000-3-11/12		IEC/EN 62109-1/2,EN IEC61000-6-1/2/3/4,EN IEC 61000-3-11/12				

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.