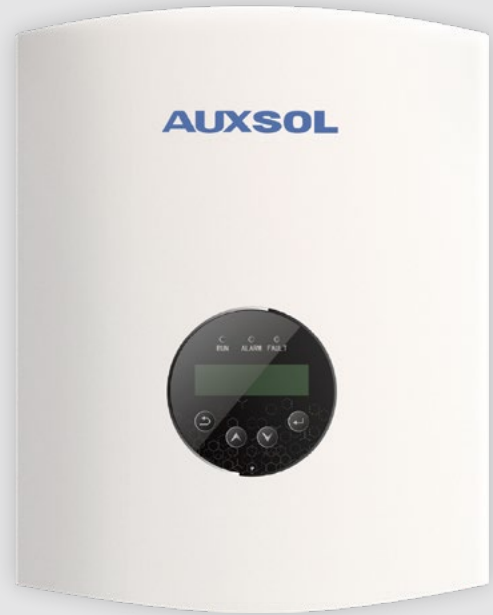


# SINGLE PHASE ON-GRID INVERTER

ASN-(3.6-6)SL-PLUS

ASN-(7-10)SL



## KEY FEATURES

**High Efficiency**  
» Supports oversizing 1.5x DC/AC

**Smart**  
» Ultra-wide grid voltage design with automatic voltage regulation technology ensures uninterrupted operation even under unstable grid conditions

**User-Friendly**  
» Support RS485, WiFi, 4G, LAN, Suspec different communication methods  
» Quick sweep access to AUXSOL Cloud, support remote upgrade and setup

**Safe & Reliable**  
» IP66 protection rating, adaptable to harsh operating environments  
» Supports I-V curve scanning, accurately identifying string anomalies  
» Intelligent AFCI reduces fire risk (Optional)  
» Support zero export function (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.

<b>39</b> Years History	<b>\$12.4</b> Billion Revenue in 2024	<b>5</b> Business Industries
<b>\$9.6</b> Billion Assets	<b>500</b> China's Top	<b>40000+</b> Employees

## AUXSOL

WIN A GREEN FUTURE TOGETHER

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	ASN-3.6SL-PLUS	ASN-4SL-PLUS	ASN-4.6SL-PLUS	ASN-5SL-PLUS	ASN-6SL-PLUS	ASN-7SL	ASN-7.5SL	ASN-8SL	ASN-9SL	ASN-10SL
<b>PV INPUT</b>										
Max.PV input power	5.4kW	6kW	6.9kW	7.5kW	9kW	10.5kW	11.25kW	12kW	18kW	20kW
Max.PV input voltage	550V					600V				
Rated PV input voltage	380V					380V				
Start-up voltage	80V					80V			40V	
MPPT voltage range	80-520V					80-550V			40-550V	
Max. PV input current	16A/16A					27A/16A			32A/16A	
Max. short circuit current	20/20A					35A/20A			40A/20A	
MPPT number/ Max. input strings number	2/2					2/3				
<b>AC OUTPUT</b>										
Rated output power	3.6kW	4kW	4.6kW	5kW	6kW	7kW	7.5kW	8kW	9kW	10kW
Max. apparent output power	3.96kVA	4.4kVA	5.06kVA	5.5kVA	6kVA	7.7kVA	7.5kVA	8.3kVA	9kVA	10kVA
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	16.4A	18.2A	20.9A	22.7A	27.3A	31.8A	34A	36.4A	40.9A	45.5A
Max. output current	18A	20A	23A	25A	27.3A	34A	34A	36.4A	40.9A	45.5A
Power factor	>0.99 (0.8 leading ... 0.8 lagging)									
THDi	<3%									
<b>EFFICIENCY</b>										
MPPT efficiency	99.80%					99.80%				
Max. efficiency	97.5%					97.80%			98.10%	
EU efficiency	97.0%					97.30%			97.60%	
<b>PROTECTION</b>										
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				
<b>GENERAL</b>										
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)	355*430*152mm					400*383*177mm				
Weight	11kg					15.6kg				
<b>COMMUNICATION</b>										
Display	LCD+LED+Bluetooth+APP					LED+Bluetooth+APP (Optional:LCD)				
Communication	RS485,Optional:WIFI,4G,LAN					RS485,Optional:WIFI,4G,LAN				
<b>CERTIFICATION</b>										
Grid standards	IEC 61727/ 62116,EN 50549-1,IEC 61683,UNE 217001/217002,NTS-631,INMETRO 140,INMETRO 515,G98/99					EN 50549-1,IEC 61727/62116,IEC 61683,UNE 217001,UNE 217002,NTS-631,PEA,G98				
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.