



# SINGLE PHASE ON-GRID INVERTER

ASN-(3.6-5)SL

ASN-(6-8)SL

## KEY FEATURES



80V start-up  
voltage



Max. 150%  
DC/AC ratio



Max. efficiency  
97.8%



Optional  
AFCI function



Optional  
anti-backflow



Wide range of  
MPPT voltage

ASN-3.6SL ASN-4SL ASN-4.6SL ASN-5SL ASN-6SL ASN-7SL ASN-8SL

	ASN-3.6SL	ASN-4SL	ASN-4.6SL	ASN-5SL	ASN-6SL	ASN-7SL	ASN-8SL
<b>Input DC</b>							
Max. Input Voltage	550V				600V		
Rated Voltage	380V				380V		
Start-Up Voltage	80V				80V		
MPPT Voltage Range	80~520V				80~550V		
Max. Input Current	13.5A/13.5A				16A/16A	27A/16A	
Max. Short Circuit Current	20A/20A				20A/20A	35A/20A	
MPPT Number					2		
Max. Input Strings Number					2		3
<b>Output AC</b>							
Rated Output Power	3.6kW	4kW	4.6kW	5kW	6kW	7kW	8kW
Max. Apparent Output Power	3.96kVA	4.4kVA	5.06kVA	5.5kVA	6.6kVA	7.7kVA	8.3kVA
Max. Output Power	3.96kW	4.4kW	5.06kW	5kW	6.6kW	7.7kW	8kW
Rated Grid Voltage	1/N/PE,220V/230V/240V				1/N/PE,220V/230V/240V		
Rated Grid Frequency	50Hz/60Hz				50Hz/60Hz		
Rated Grid Output Current	15.7A	17.4A	20.0A	21.7A	27.3A	31.8A	36.4A
Max. Output Current	16.0A	19.4A	22.3A	24.3A	29.1A	34A	36.4A
Power Factor	1 (0.8 Leading ~ 0.8Lagging)						
THDi	<3%						
<b>Efficiency</b>							
Max. Efficiency	97.7%				97.8%		
EU Efficiency	97.0%				97.3%		
<b>Protection</b>							
Integrated DC Switch	Yes						
DC Reversal 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						
Residual Leakage Current Detection	Yes						
Ground fault monitoring	Yes						
AC Over voltage protection	Yes						
DC Over current protection	Yes						
Integrated AFCI (DC arc-fault circuit protection)	Optional						
<b>General Data</b>							
Dimensions(W*H*D)	355*430*152mm				400*383*177mm		
Weight	10.8Kg				15.6kg		
Self Consumption(night)	≤1W				≤0.3W		
Operating Temperature Range	-25...+60°C				-25...+60°C		
Cooling Concept	Natural Cooling				Natural Cooling		
Max. Operation Altitude	4000m (Derating above 3000m)				4000m (Derating above 3000m)		
Relative Humidity	0~100%				0-100%		
Ingress Protection	IP65				IP66		
Topology Structure	Transformerless				Transformerless		
Grid connection standard	EN 50549-1,IEC 61727,IEC 62116,IEC 61683,UNE 217001,UNE 217002,NTS-631						
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	MC4 connector						
Type of AC terminal	Quick connection plug						
<b>Display&amp;Communication</b>							
Display	LCD+LED+Bluetooth+APP				LED+Bluetooth+APP		
Communication Interface	RS485, Optional: WIFI, 4G						

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.