

THREE PHASE ON-GRID INVERTER



ASN-(5-15)TL

ASN-(17-25)TL

KEY FEATURES



String current
up to 16A



Wide range of
MPPT voltage



Max. 150%
DC/AC ratio



Max. efficiency
98.5%



Optional
AFCI function



I-V curve scan

	ASN-5TL	ASN-6TL	ASN-8TL	ASN-10TL	ASN-12TL	ASN-15TL	ASN-17TL	ASN-20TL	ASN-23TL	ASN-25TL
Input DC										
Max.input power	7.5kW	9kW	12kW	15kW	18kW	22kW	22kW	26kW	30kW	32kW
Max.input voltage	1100V									
Rated voltage	620V									
Start-up voltage	200V									
MPPT voltage range	200-1000V									
Max.input current	16A/16A					32A/16A	32A/32A			
Max.short circuit current	20A/20A					40A/20A	40A/40A			
MPPT number	2									
Max. input strings number	2					3	4			
Output AC										
Rated output power	5kW	6kW	8kW	10kW	12kW	15kW	17kW	20kW	23kW	25kW
Max.apparent output power	5.5kVA	6.6kVA	8.8kVA	11kVA	13.2kVA	16.5kVA	18.7kVA	22kVA	25.3kVA	27.5kVA
Rated grid voltage	220V/380V,230V/400V,3/N/PE									
Grid voltage range	178V-276V(Phase voltage), 308-478(Line voltage)									
Rated grid frequency	50Hz/60Hz									
Rated output current	7.6A	9.1A	12.1A	15.2A	18.2A	22.8A	25.7A	30.3A	34.8A	37.8A
Max.output current	8.4A	10A	13.3A	16.7A	20.1A	25.1A	28.3A	33.3A	38.3A	39.8A
Power factor	1 (0.8 leading ... 0.8 lagging)									
THDi	<3%									
Efficiency										
Max. efficiency	98.3%					98.50%	98.5%			
EU efficiency	97.7%					97.80%	98%			
MPPT efficiency	99.8%					99.8%	99.8%			
Protection										
Integrated DC switch						Yes				
DC reverse-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				
Strings monitoring						Optional				
Anti-backflow						Optional				
Integrated AFCI (DC arc-fault circuit protection)						Optional				
I/V Curve scanning						Optional				
General Data										
Dimensions (W*H*D)						455*462*214mm				
Weight						25kg				
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/T 32004,EN 50549-1,IEC 61727,IEC 62116,IEC 61683,UNE 217001/2,NTS-631,PSE,PTPIREE,NC RfG									
Safety/EMC standard	IEC/EN 62109-1/2,EN IEC 61000-6-1/2/3/4,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				
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.