

THREE PHASE ON-GRID INVERTER



ASN-(70-125)TL

KEY FEATURES



String current
up to 16A



Wide MPPT
voltage range



Max. efficiency
98.6%



Optional
AFCI function



Optional
anti-backflow



I-V curve scan

	ASN-70TL	ASN-75TL	ASN-80TL	ASN-90TL	ASN-100TL	ASN-110TL	ASN-125TL
Input DC							
Max.input voltage				1100V			
Rated voltage				620V			
Start-up voltage				195V			
MPPT voltage range				180-1000V			
Max.input current	5*32A		6*32A		10*32A		10*40A
Max.short circuit current	5*50A		6*50A		10*50A		10*50A
MPPT number	5		6		10		10
Max. input strings number	10		12		20		20
Output AC							
Rated output power	70kW	75kW	80kW	90kW	100kW	110kW	125kW
Max.apparent output power	77kVA	82.5kVA	88kVA	99kVA	110kVA	121kVA	137.5kVA
Rated grid voltage	220V/380V,230V/400V,3/N/PE						
Rated grid frequency	50Hz/60Hz						
Rated output current	101A	108.3A	115.5A	130A	144.5A	158.8A	180.4A
Max.output current	111.1A	119.1A	127A	143A	158.8A	174.6A	198.5A
Power factor	>0.99 (0.8 leading - 0.8 lagging)						
THDi	<3%						
Efficiency							
Max. Efficiency	98.5%			98.6%			
EU Efficiency				98.3%			
Protection							
Integrated DC switch				Yes			
DC rever-polarity protection				Yes			
Anti-islanding protection				Yes			
Short circuit protection				Yes			
Output over currentprotection				Yes			
DC Surge protection				Type II			
AC Surge protection				Type II;Optional:Type I			
Insulation impedance detection				Yes			
Ground fault monitoring				Yes			
Residual leakage current detection				Yes			
Temperature protection				Yes			
Strings monitoring				Yes			
Antibackflow				Optional			
Integrated AFCI (DC arc-fault circuit protection)				Optional			
I/V Curve scanning				Optional			
General Data							
Dimensions (W*H*D)	1007*668*357mm						
Weight	75kg			90kg		TBD	
Self consumption(night)	<2W						
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 stadard	NB/T 32004,EN50549-1,IEC 61727,IEC 62116						
Safety/EMC standard	IEC/EN 62109-1/2,EN IEC 61000-6-2/4,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,PLC						

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 recentversion at the moment of signing the contract.