

THREE PHASE ON-GRID INVERTER



ASN-90TL

ASN-100TL

ASN-110TL

KEY FEATURES



String current
up to 32A



Wide MPPT
voltage range



Max. efficiency
98.6%



Optional
AFCI function



Optional
anti-backflow



I-V curve scan

ASN-100TL	
Input DC	
Max.input power	150kW
Max.input voltage	1100V
Rated voltage	620V
Start-up voltage	195V
MPPT voltage range	180-1000V
Max.input current	10*32A
Max.short circuit current	10*50A
MPPT number	10
Max. input strings number	20
MPPT Range full load	460-850V
Output AC	
Rated output power	100kW
Max.apparent output power	110kVA
Max.output power	110kW
Rated grid voltage	220V/380V,230V/400V,3/N/PE
Rated grid frequency	50Hz/60Hz
Rated grid output current	144.5A
Max.output current	158.8A
Power factor	>0.99 (0.8 leading - 0.8 lagging)
THDi	<3%
Efficiency	
Max. efficiency	98.60%
EU efficiency	98.30%
China efficiency	98.10%
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; Optional:Type I
Insulation impedance detection	Yes
Ground fault monitoring	Yes
Residual leakage current detection	Yes
Temperature protection	Yes
Strings monitoring	Yes
Anti-backflow	Optional
Integrated AFCI (DC arc-fault circuit protection)	Optional
I/V Curve scanning	Optional
24-hour load monitoring	Optional
General Data	
Dimensions (W*H*D)	1007*668*357mm
Weight	88kg
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 standard	NB/T32004,EN 50549-1,IEC 61727, IEC 62116,NRS 097,VDE-AR-N 4110/4105
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 recent version at the moment of signing the contract.