

THREE PHASE ON-GRID INVERTER



ASN-20TL

ASN-25TL

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-20TL	
Input DC	
Max.input power	26kW
Max.input voltage	1100V
Rated voltage	620V
Start-up voltage	200V
MPPT voltage range	200-1000V
Max.input current	32A/32A
Max.short circuit current	40A/40A
MPPT number	2
Max. input strings number	4
Output AC	
Rated output power	20kW
Max.apparent output power	22kVA
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	30.3A
Max.output current	33.3A
Power factor	1 (0.8 leading ... 0.8 lagging)
THDi	<3%
Efficiency	
Max. efficiency	98.5%
EU efficiency	98%
MPPT efficiency	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
AC Over voltage protection	Yes
DC Over current 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/T32004,EN 50549-1,IEC 61727,IEC 62116,IEC 61683,UNE 217001,UNE 217002,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.