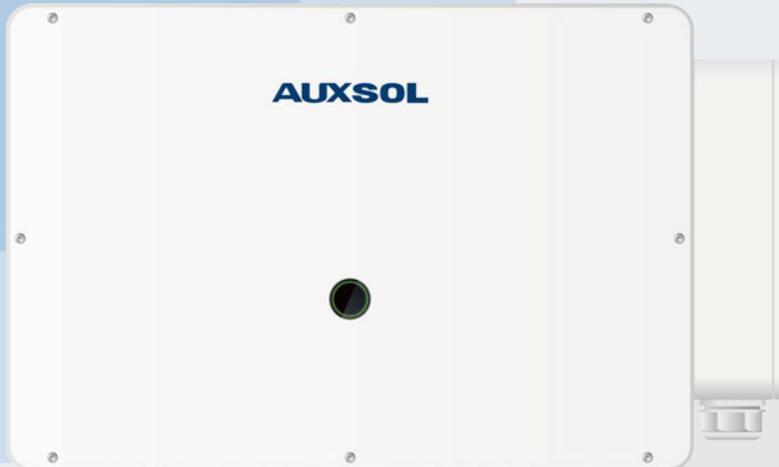


THREE PHASE ON-GRID INVERTER



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