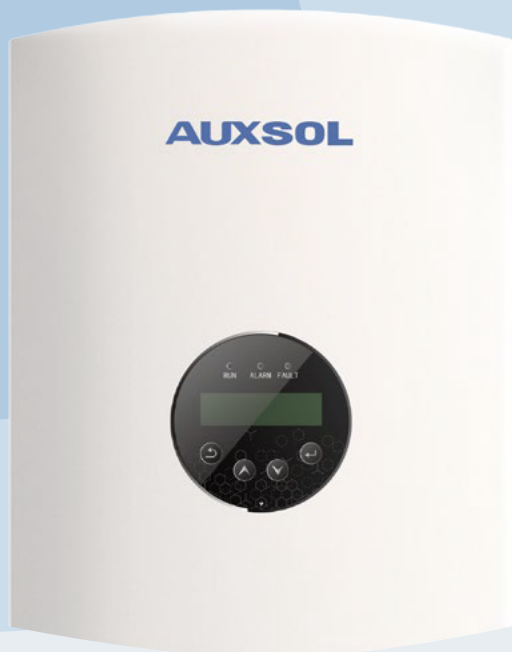


SINGLE PHASE ON-GRID INVERTER



ASN-3.6SL-Plus

ASN-5SL-Plus

ASN-6SL-Plus

ASN-10SL

KEY FEATURES



80V start-up
voltage



Max. 150%
DC/AC ratio



Max. efficiency
98.1%



Optional
AFCI function



Optional
anti-backflow



Wide range of
MPPT voltage

Input DC

Max.input power	7.5kW
Max.input voltage	550V
Rated voltage	380V
Start-up voltage	80V
MPPT voltage range	80-520V
Max.input current	16A/16A
Max.short circuit current	20A/20A
MPPT number	2
Max. input strings number	2
MPPT Range Full Load	210-500V

Output AC

Rated output power	5kW
Max.apparent output power	5.5kVA
Max.output power	5.5kW
Rated grid voltage	1/N/PE,220V/230V/240V
Rated grid frequency	50Hz/60Hz
Rated grid output current	22.7A
Max.output current	25A
Power factor	1 (0.8 Leading ~ 0.8Lagging)
THDi	<3%

Efficiency

Max. efficiency	97.5%
EU efficiency	97.0%

Protection

Integrated DC switch	Yes
DC reverse-polarity protection	Yes
Anti-islanding protection	Yes
Short circuit protection	Yes
Output over current protection	Yes
Strings monitoring	Yes
DC Surge protection	Type II
AC Surge protection	Type II
Insulation impedance detection	Yes
Residual leakage current detection	Yes
Temperature protection	Yes
AC Over voltage protection	Yes
DC Over current protection	Yes
Anti-backflow	Optional
Integrated AFCI (DC arc-fault circuit protection)	Optional

General Data

Dimensions(W*H*D)	335*430*152mm
Weight	11Kg
Self Consumption(night)	≤1W
Operating Temperature Range	-30...+60°C
Cooling Concept	Natural Cooling
Max. Operation Altitude	4000m (Derating above 3000m)
Relative Humidity	0-100%
Ingress Protection	IP66
Topology Structure	Transformerless
Grid connection standard	EN 50549-1,IEC 61727,IEC 62116,IEC 61683,UNE 217001,UNE 217002,NTS-631,PORTARIA N°515,IEC 63027
Safety/EMC standard	IEC/EN 62109-1/2,EN IEC61000-6-1/2/3/4,EN IEC 61000-3-11,EN 61000-3-12
Type of DC terminal	MC4 connector
Type of AC terminal	Quick connection plug

Display&Communication

Display	LCD+LED+Bluetooth+APP
Communication Interface	RS485,Optional:WIFI,4G,LAN