

THREE PHASE ON-GRID INVERTER



ASN-(5-15)TL

ASN-(17-25)TL

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-5TL | ASN-6TL | ASN-8TL | ASN-10TL | ASN-12TL | ASN-15TL | ASN-17TL | ASN-20TL | ASN-23TL | ASN-25TL |
|--|---|---------|---------|----------|----------|----------|----------|----------|----------|----------|
| Input DC | | | | | | | | | | |
| Max.input voltage | 1100V | | | | | | | | | |
| Rated voltage | 620V | | | | | | | | | |
| Start-up voltage | 200V | | | | | | | | | |
| MPPT voltage range | 200-1000V | | | | | | | | | |
| Max.input current | 16A/16A | | | 32A/16A | | | 32A/32A | | | |
| Max.short circuit current | 20A/20A | | | 40A/20A | | | 40A/40A | | | |
| MPPT number | 2 | | | | | | | | | |
| Max. input strings number | 2 | | | 3 | | | 4 | | | |
| Output AC | | | | | | | | | | |
| Rated output power | 5kW | 6kW | 8kW | 10kW | 12kW | 15kW | 17kW | 20kW | 23kW | 25kW |
| Max.apparent output power | 5.5kVA | 6.6kVA | 8.8kVA | 11kVA | 13.2kVA | 16.5kVA | 18.7kVA | 22kVA | 25.3kVA | 27.5kVA |
| Rated grid voltage | 220V/380V,230V/400V,3/N/PE | | | | | | | | | |
| Rated grid frequency | 50Hz/60Hz | | | | | | | | | |
| Rated output current | 7.6A | 9.1A | 12.1A | 15.2A | 18.2A | 22.8A | 25.7A | 30.3A | 34.8A | 37.8A |
| Max.output current | 8.4A | 10A | 13.3A | 16.7A | 20.1A | 25.1A | 28.3A | 33.3A | 38.3A | 39.8A |
| Power factor | 1 (0.8 leading ... 0.8 lagging) | | | | | | | | | |
| THDi | <3% | | | | | | | | | |
| Efficiency | | | | | | | | | | |
| Max. Efficiency | 98.3% | | | 98.5% | | | 98.5% | | | |
| EU Efficiency | 97.7% | | | 97.8% | | | 98% | | | |
| 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 | | | | | | | | | |
| Insulation impedance detection | Yes | | | | | | | | | |
| Ground fault monitoring | Yes | | | | | | | | | |
| Residual leakage current detection | Yes | | | | | | | | | |
| Temperature protection | Yes | | | | | | | | | |
| Strings monitoring | Optional | | | | | | | | | |
| Antibackflow | 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 stadard | NB/T 32004,EN 50549-1,IEC 61727,IEC 62116,IEC 61683,UNE 217001/2,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.