

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,PTP iREE,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. Solar.on 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.