



THREE PHASE ON-GRID INVERTER



ASN-5TL-G2 ASN-6TL-G2 ASN-8TL-G2 ASN-10TL-G2

- String current up to 20A
- Wide range of MPPT voltage
- Max. 150% DC/AC ratio
- Max. efficiency 98.6%
- Optional AFCI function
- Max. IP66 protection

	ASN-5TL-G2		ASN-6TL-G2		ASN-8TL-G2		ASN-10TL-G2	
Input DC								
Max input voltage					1100V			
Rated voltage					620V			
Turn-on voltage					140V			
MPPT voltage range					140-1000V			
Max input current					25A/25A			
Max short-circuit current					25A/25A			
MPPT number					2			
Max input strings number					2			
Output AC								
Rated output power	5kW		6kW		8kW		10kW	
Max apparent output power	5.5kVA		6.6kVA		8.8kVA		11kVA	
Max output power	5.5kW		6.6kW		8.8kW		11kW	
Rated grid voltage					220V/380V/230V/400V/3/N/PE			
Grid voltage range					162-300V(Phase voltage; 280-520V(Line voltage))			
Rated grid frequency					50Hz/60Hz			
Rated grid output current	7.2A		8.7A		11.5A		14.4A	
Max output current	7.0A		9.5A		12.7A		15.9A	
Power factor					1.0(±0.8 leading ~ 0.8lagging)			
THD								
Efficiency					<3%			
Max. Efficiency					98.62%			
EU Efficiency					98.3%			
MPPT efficiency					99.92%			
Protection								
Integrated DC switch					Yes			
DC reverse-polarity protection					Yes			
Anti-islanding protection					Yes			
Grid fault 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			
UV Curve warning					Yes			
24-hour fault monitoring					Optional			
Anti-theft fire					Optional			
Integrated AFCI					Optional			
DC anti-fault circuit protection								
General Data								
Dimensions(W*H*D)					440*330*174mm			
Weight					12.5kg			
Self Consumption(right)					<1W			
Operating Temperature Range					-30 ~ +60°C			
Cooling Concept					Natural Cooling			
Max. Operation Altitude					4000m (Operating above 3000m)			
Relative Humidity					0-100%			
Ingress Protection					IP65			
Topology Structure					Transformerless			
Grid connection standard/Safety/EMC standard					IEC/EN 62109-1/2, EN IEC61000-6-1/2/3/4, EN IEC61000-3-11, EN 61000-3-12, NB/T30004, EN 50438-1			
Type of DC terminal					MC4 connector			
Type of AC terminal					Quick connection plug			
Display & Communication								
Display					LED+Bluetooth+APP Optional LCD			
Communication Interface					RS485,Optional WiFi, LAN			