



# THREE PHASE ON GRID INVERTER

ASN-10TL-G2



String current  
up to 20A



Wide MPPT  
voltage range



Max. 150% DC/AC  
ratio



Max. efficiency  
98.6%



AFCI  
Function



Max. IP66  
protection



**ASN-10TL-G2**

Input DC	
Max.input power	15kW
Max.input voltage	1100V
Rated voltage	620V
Start-up voltage	140V
MPPT voltage range	140 - 1000V
Max.input current	20A/20A
Max.short circuit current	25A/25A
MPPT number	2
Max. input strings number	2
Output AC	
Rated output power	10kW
Max.output power	11kW
Rated grid voltage	220V/380V,230V/400V,3/N/PE
Grid voltage range	170V-280V(Phase voltage),320-480(Line voltage)
Rated grid frequency	50Hz/60Hz
Rated grid output current	14.4A
Max.output current	15.9A
Power factor	1 (0.8 leading...0.8 lagging)
THDi	<3%
Efficiency	
Max.efficiency	98.60%
EU efficiency	98.30%
MPPT efficiency	99.80%
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
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
Integrated AFCI (DC arc-fault circuit protection)	Yes
Anti-backflow	Yes
Strings monitoring	Yes
I/V Curve scanning	Optional
General Data	
Dimensions (W*H*D)	339*394*175.5mm
Weight	13Kg
Self consumption(night)	<1W
Operating temperature range	-30 ... +60°C
Cooling concept	Natural cooling
Max. operation altitude	4000m (Derating above 3000)m
Relative humidity	0-100%
Ingress protection	IP66
Topology structure	Transformerless
Grid connection standard	IEC/EN 62109-1/2,EN IEC61000-6-1/2/3/4,EN IEC 61000-3-11,EN 61000-3-12,
Safety/EMC standard	NB/T32004,EN 50549-1,CGC/GF 035-2013,VDE-AR-N 4105
Type of DC terminal	MC4 connector
Type of AC terminal	Quick Connection Plug
Display&Communication	
Display	LED+Bluetooth+APP
Communication Interface	RS485,Optional:WIFI,4G