



THREE PHASE ON GRID INVERTER

ASN-15TL

ASN-20TL

ASN-25TL



String current
up to 32A/16A



Wide MPPT
voltage range



Max. 150% DC/AC
ratio



Max. efficiency
98.5%



AFCI Function



Max. IP66
protection



	ASN-15TL	ASN-20TL	ASN-25TL
Input DC			
Max.input power	22.5kW	30kW	37.5kW
Max.input voltage		1100V	
Rated voltage		620V	
Start-up voltage		200V	
MPPT voltage range		200-1000V	
Max.input current	32A/16A		32A/32A
Max.short circuit current	40A/20A		40A/40A
MPPT number	2		2
Max. input strings number	2+1		2+2
Output AC			
Rated output power	15kW	20kW	25kW
Max.output power	16.5kW	22kW	27.5kW
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 output current	22.8A	30.3A	37.8A
Max.output current	25.1A	33.3A	39.8A
Power factor		1 (0.8 leading...0.8 lagging)	
THDi		<3%	
Efficiency			
Max. efficiency	98.50%		98.50%
EU efficiency	97.80%		98%
MPPT efficiency	99.80%		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	
Antibackflow		Yes	
Strings monitoring		Yes	
I/V Curve scanning		Optional	
General Data			
Dimensions (W*H*D)		455*420*209mm	
Weight		21Kg	
Self consumption(night)		< 1W	
Operating temperature range		-30 ... +60°C	
Cooling concept		Smart fan cooling	
Max. operation altitude		4000m (Derating above 3000m)	
Relative humidity		0-100%	
Ingress protection		IP66	
Topology structure		Transformerless	
Grid connection standard	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	