



SINGLE PHASE ON-GRID INVERTER

ASN-3.6SL-PLUS ASN-4SL-PLUS ASN-4.6SL-PLUS ASN-5SL-PLUS ASN-6SL-PLUS

ASN-7SL ASN-8SL ASN-9SL ASN-10SL

- 80V start-up voltage
- Max. efficiency 98.1%
- Max. IP66 protection
- Max. 150V DC/AC ratio
- AFCI Optional AFCI function
- Wide range of MPPT voltage

	ASN-3.6SL-PLUS	ASN-4SL-PLUS	ASN-4.6SL-PLUS	ASN-5SL-PLUS	ASN-6SL-PLUS	ASN-7SL	ASN-8SL	ASN-9SL	ASN-10SL
Input DC									
Max input power	5.4kW	6kW	6.9kW	7.5kW	9kW	10.5kW	12kW	18kW	20kW
Max input voltage	550V					600V			
Rated voltage	380V					380V			
Start-up voltage	80V					80V		40V	
MPPT voltage range			80-520V			80-550V		40-550V	
Max input current	16A/16A		16A/16A			27A/16A		30A/16A	
Max short circuit current	20A/20A		20A/20A			35A/20A		40A/20A	
MPPT number	2		2			2		2	2
Max. input strings number						3		2	3
MPPT Range Full Load	180-500V	190-500V	200-500V	210-500V	230-500V	/		/	/
Output AC									
Rated output power	3.6kW	4kW	4.6kW	5kW	6kW	7kW	8kW	9kW	10kW
Max apparent output power	3.9kVA	4.4kVA	5.0kVA	5.5kVA	6kVA	7.7kVA	8.3kVA	9kVA	10kVA
Max output power	3.9kW	4.4kW	5.0kW	5.5kW	6kW	7.7kW	8kW	9kW	10kW
Rated grid voltage			1/N/PE, 220V/230V/240V				1/N/PE, 220V/230V/240V		
Rated grid frequency			50Hz/60Hz				50Hz/60Hz		
Rated grid output current	16.4A	18.2A	20.9A	22.7A	27.3A	31.8A	36.4A	40.9A	45.5A
Max output current	18A	20A	23A	25A	27.3A	34A	36.4A	40.9A	45.5A
Power factor			1 (0.8 Leading ~ 0.8 Lagging)				1 (0.8 Leading ~ 0.8 Lagging)		
THDi			<3%				<3%		
Efficiency									
Max. efficiency			97.5%				97.80%		98.1%
EU efficiency			97.0%				97.30%		97.6%
Protection									
Integrated DC switch			Yes				Yes		
DC reverse polarity protection			Yes				Yes		
Anti-islanding protection			Yes				Yes		
Short circuit Protection			Yes				Yes		
Output over current protection			Yes				Yes		
Strings monitoring			Yes			/			
DC Surge protection			Type II				Type II		
AC Surge protection			Type II				Type II		
Insulation impedance detection			Yes				Yes		
Residual leakage current detection			Yes				Yes		
Temperature protection			Yes				Yes		
AC Over voltage protection			Yes				Yes		
DC Over current protection			Yes				Yes		
Anti-backflow			Optional				Optional		
Integrated AFCI (DC arc-fault circuit protection)			Optional				Optional		
General Data									
Dimensions (W*H*D)			355*430*152mm				400*383*177mm		
Weight			11kg				15.6kg		
Self consumption (night)			<1W				<0.3W		<1W
Operating temperature Range			-30...+40°C				-25...+40°C		-30...+40°C
Cooling concept			Natural Cooling				Natural Cooling		
Max. operation altitude			4000m (Derating above 3000m)				4000m (Derating above 3000m)		
Relative humidity			0-100%				0-100%		
Ingress protection			IP66				IP66		
Topology structure			Transformerless				Transformerless		
Grid connection standard			EN 50549-1, IEC 61727, IEC 62116, IEC 61683, IEC 217001, IEC 217002, NTS 431, PORTARIA N°515, IEC 43027				EN 50549-1, IEC 61727, IEC 62116, IEC 61683, IEC 217001, IEC 217002, NTS 431		
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				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				MC4 connector		
Type of AC terminal			Quick connection plug				Quick connection plug		
Display&Communication									
Display			LCD+LED+Bluetooth+APP				LED+Bluetooth+APP		LED+Bluetooth+APP+Optional LCD
Communication Interface			RS485, Optional: WIFI, 4G, LAN				RS485, Optional: WIFI, 4G, LAN		