



SINGLE PHASE ON-GRID INVERTER

ASN-(3.6-6)SL-PLUS

ASN-(7-10)SL

KEY FEATURES



80V start-up
voltage



Max. 150%
DC/AC ratio



Max. efficiency
98.1%



Optional
AFCI function



Optional
anti-backflow



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	3.6kW	4kW	4.6kW	5kW	6kW	10.5kW	12kW	18kW	20kW
Max.input voltage	550V					600V			
Rated voltage	380V					380V			
Start-up voltage	80V					80		40V	
MPPT voltage range	80~520V					80~550V		40~550V	
Max.input current	16A/16A					27A/16A		32A/16A	
Max.short circuit current	20A/20A					35A/20A		40A/20A	
MPPT number	2					2		2	
Max. input strings number	2					3		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	3.96kVA	4.4kVA	5.06kVA	5.5kVA	6kVA	7.7kVA	8.3kVA	9kVA	10kVA
Max.output power	3.96kW	4.4kW	5.06kW	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 ~ 0.8Lagging)								
THDi	<3%								
Efficiency									
Max. efficiency	97.7%					97.8%		98.1%	
EU efficiency	97.0%					97.3%		97.6%	
Protection									
Integrated DC switch	Yes								
DC reverse-polarity protection	Yes								
Anti-islanding protection	Yes								
Short circuit Protection	Yes								
Output over current protection	Yes								
Strings monitoring	Yes								
DC Surge protection	Type II								
AC Surge protection	Type II								
Insulation impedance detection	Yes								
Residual leakage current detection	Yes								
Temperature protection	Yes								
AC Over voltage protection	Yes								
DC Over current protection	Yes								
Anti-backflow	Optional								
Integrated AFCI (DC arc-fault circuit protection)	Optional								
General Data									
Dimensions(W*H*D)	335*430*152mm					400*383*177mm			
Weight	11Kg					15.6kg			
Self Consumption(night)	≤ 1W					≤ 0.3W		≤ 1W	
Operating Temperature Range	-30...+60°C					-25...+60°C		-30...+60°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,UNE 217001,UNE 217002,NTS-631								
Safety/EMC standard	IEC/EN 62109-1/2,EN IEC61000-6-1/2/3/4,EN IEC 61000-3-11,EN 61000-3-12								
Type of DC terminal	MC4 connector								
Type of AC terminal	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			

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