



| SUN-ASL

PV On-Grid String Inverter



20A string electrical current, compatible with 182/210 PV modules.



Shadow recognition function, prevent from electricity loss.



Smart networking, adaptable to diesel generator, stabilize the grid-tied power generation.



AFCI function, improve the systemic safety of the power plant.



Integrated with grid feed-in and smart control function.



Small and portable, simplify the installation and wiring.



IP66 protection, higher environmental adaptability.



10-year product warranty.

Model	SUN-ASL5K	SUN-ASL6K
Input (DC)		
Max.input power	10000W	12000W
Max.input Voltage	550V	
MPPT voltage range/rated input voltage	80V~520V/360V	
Initial.feeed-in voltage	100V	
Max.operating input current	20/20A	
Max.short circuit current	25/25A	
No.of independent MPPT inputs/strings per	2/1+1	
Output (AC)		
Rated active power	5000W	6000W
Max.apparent power	5000VA	6000VA
AC nominal voltage	220Vac, L/N/PE	
AC Grid frequency	60Hz	
Max.output current	22.7A	27.3A
Adjustable power factor	~1(0.8 leading ~ 0.8 lagging, adjustable)	
THDi	<3%	
DC injection current	<0.5%	
Efficiency&Protection		
Max.efficiency	97.60%	
EU.efficiency	97.30%	
DC Switch	Y	
Ground fault monitoring	Y	
Surge Protection	Y	
DC reverse polarity protection	Y	
AC short circuit protection	Y	
Islanding Protection	Y	
Over Voltage Protection	Y	
Over Current Protection	Y	
Under Voltage Protection	Y	
All-pole-sensitive residual-current monitoring	Y	
AFCI Protection	Y	
Shadow recognition	Y	
Compatible with Generator	Y	
General data		
Dimension(L*W*H)	360*360*166mm	
Weight	11.3kg	
Operating temperature range	-25°C···+65°C	
Max. permissible value for relative humidity (non-condensing)	100%	
Topology	Non-isolated	
Cooling concept	Natural Convection	
Altitude	4000	
Degree of protection	IP66	
Features		
DC connection	MC4 connector	
AC connection	Quick connection plug	
Display	LED+APP	
Communication	Wi-Fi/RS485	
Certificates and approvals	IEC 61000-6-1/3, IEC/EN 62109-1, IEC/EN 62109-2, N140/N515, IEC 63027	
Warranty	10 Years	



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