

Single Phase String Inverter

SUN- 7.5 / 8 K-G



2 MPP tracker, Max. efficiency up to 97.7%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)

Deye

Clean Power For You

Model	SUN-7.5K-G	SUN-8K-G
Input Side		
Max. DC Input Power (kW)	9.8	10.4
Max. DC Input Voltage (V)		550
Start-up DC Input Voltage (V)		120
MPPT Operating Range (V)		70~550
Max. DC Input Current (A)	13+25	13+25
Number of MPPT / Strings per MPPT	2 / 1+2	2 / 1+2
Output Side		
Rated Output Power (kW)	7.5	8
Max. Active Power (kW)	8.3	8.8
Rated AC Grid Voltage (V)	220 / 230 (Optional)	
AC Grid Voltage Range (V)	180Vac~300 Vac (this may vary with grid standards)	
Rated Grid Frequency (Hz)	50 / 60 (Optional)	
Operating Phase	Single phase	
Rated AC Grid Output Current (A)	32.6	34.8
Max. AC Output Current (A)	35.9	38.3
Output Power Factor	0.8 leading to 0.8 lagging	
Grid Current THD	<3%	
DC Injection Current (mA)	<0.5%	
Grid Frequency Range	47~52 or 57~62 (Optional)	
Efficiency		
Max. Efficiency	97.7%	
Euro Efficiency	97.5%	
MPPT Efficiency	>99%	
Protection		
DC Reverse-Polarity Protection	Yes	
AC Short Circuit Protection	Yes	
AC Output Overcurrent Protection	Yes	
Output Overvoltage Protection	Yes	
Insulation Resistance Protection	Yes	
Ground Fault Monitoring	Yes	
Anti-islanding Protection	Yes	
Temperature Protection	Yes	
Integrated DC Switch	Yes	
Remote software upload	Yes	
Remote change of operating parameters	Yes	
Surge protection	DC Type II / AC Type II	
General Data		
Size (mm)	330W×310H×198.5D	
Weight (kg)	11	
Topology	Transformerless	
Internal Consumption	<1W (Night)	
Running Temperature	-25~65°C	
Ingress Protection	IP65	
Noise Emission (Typical)	<25 dB	
Cooling Concept	Natural cooling	
Max. Operating Altitude Without Derating	2000m	
Designed Lifetime	>20 years	
Grid Connection Standard	ABNT NBR 16149, ABNT NBR 16150, ABNT NBR IEC 62116, RD1699, UNE 206006 IN, UNE 206007-1 IN, UNE 217001 IN	
Operating Surroundings Humidity	0-100%	
Safety EMC / Standard	IEC62109-1/-2, IEC61000-6-1, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12	
Features		
DC Connection	MC-4 mateable	
AC Connection	IP65 rated plug	
Display	LCD1602	
Interface	RS485/RS232/Wifi/LAN	