

# Single Phase String Inverter

SUN- 7 / 7.5 / 8 / 9 / 10 / 10.5 K-G



2 MPP trackers, Max. efficiency up to 97.7%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)



Low start-up voltage of 80V

**Deye**

Stock Code: 605117.SH

Model	SUN-7K-G	SUN-7.5K-G	SUN-8K-G	SUN-9K-G	SUN-10K-G	SUN-10.5K-G
<b>Input Side</b>						
Max. DC Input Power (kW)	9.1	9.8	10.4	11.7	13	13.7
Max. DC Input Voltage (V)	550					
Start-up DC Input Voltage (V)	80					
MPPT Operating Range (V)	70~500					
Max. DC Input Current (A)	13+26			26+26		
Max. Short Circuit Current (A)	19.5+39			39+39		
No.of MPP Trackers	2					
No.of Strings per MPP Tracker	1+2			2		
<b>Output Side</b>						
Rated Output Power (kW)	7	7.5	8	9	10	10.5
Max. Active Power (kW)	7.7	8.25	8.8	9.9	11	11.55
Nominal Output Voltage / Range (V)	L/N/PE 220V/0.85Un-1.1Un, 230V/0.85Un-1.1Un (Optional)					
Rated Grid Frequency (Hz)	50 / 60 (Optional)					
Operating Phase	Single phase					
Rated AC Grid Output Current (A)	30.4	32.6	34.8	39.1	43.5	45.7
Max. AC Output Current (A)	33.5	35.9	38.3	43	47.8	50.2
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)					
<b>Efficiency</b>						
Max. Efficiency	97.7%					
Euro Efficiency	97.5%					
MPPT Efficiency	>99%					
<b>Protection</b>						
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					
<b>General Data</b>						
Size (mm)	330W×410H×198.5D					
Weight (kg)	15.7					
Topology	Transformerless					
Internal Consumption	<1W (Night)					
Running Temperature	-25~65°C, >45°C derating					
Ingress Protection	IP65					
Noise Emission (Typical)	<35 dB					
Cooling Concept	Natural cooling					
Max. Operating Altitude Without Derating	2000m					
Warranty	5 years					
Grid Connection Standard	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11					
Operating Surroundings Humidity	0-100%					
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2					
<b>Features</b>						
DC Connection	MC-4 mateable					
AC Connection	IP65 rated plug					
Display	LCD1602					
Interface	RS485/RS232/Wifi/LAN					