

Three Phase String Inverter

SUN- 60 / 70 / 75 / 80 K-G



4 MPP trackers, Max. efficiency up to 98.7%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)



Type II DC/AC SPD

Deye

Stock Code: 605117.SH

Model	SUN-60K-G		SUN-70K-G		SUN-75K-G		SUN-80K-G	
Input Side								
Max. DC Input Power (kW)	78		91		97.5		104	
Max. DC Input Voltage (V)	1000							
Start-up DC Input Voltage (V)	250							
MPPT Operating Range (V)	200~850							
Max. DC Input Current (A)	40+40+40+40							
Max. Short Circuit Current (A)	60+60+60+60							
No.of MPP Trackers	4							
No.of Strings per MPP Tracker	3		4					
Output Side								
Rated Output Power (kW)	60		70		75		80	
Max. Active Power (kW)	66		77		82.5		88	
Nominal Output Voltage / Range (V)	3L/N/PE 220/380V, 230/400V							
Rated Grid Frequency (Hz)	50 / 60 (Optional)							
Operating Phase	Three phase							
Rated AC Grid Output Current (A)	90.9/87		106.1/101.5		113.6/108.7		121.2/115.9	
Max. AC Output Current (A)	100/95.7		116.7/111.6		125/119.6		133.3/127.5	
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	98.7%							
Euro Efficiency	98.3%							
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)	700W×575H×297D							
Weight (kg)	60							
Topology	Transformerless							
Internal Consumption	<1W (Night)							
Running Temperature	-25~65 , >45 derating							
Ingress Protection	IP65							
Noise Emission (Typical)	<50 dB		<55 dB					
Cooling Concept	Smart 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							
Features								
DC Connection	MC-4 mateable							
AC Connection	IP65 rated plug							
Display	LCD 240 × 160							
Interface	RS485/RS232/Wifi/LAN							