

Three Phase String Inverter

SUN-60/70/75/80K-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+3+3+3		4+4+4+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	45~55 or 55~65 (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								
Cabinet Size (WxHxD mm)	700×575×297 (Excluding Connectors and Brackets)							
Weight (kg)	60							
Topology	Transformerless							
Internal Consumption	<1W (Night)							
Running Temperature	-25-65°C, >45°C Derating							
Ingress Protection	IP65							
Noise Emission (Typical)	≤50 dB		≤55 dB					
Cooling Concept	Smart Cooling							
Permissible Altitude (m)	2000							
Warranty	5 Years							
Grid Connection Standard	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150							
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							