

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	
Rated Output Voltage/Range (V)			3L/N/PE 220/380V, 230/400V 0.85Un-1.1Un (this may vary with grid standards)							
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							
Total Harmonics Current Distortion (THDi)			<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			IEC 61727, IEC 62116, CEI 0-21,CEI 0-16,EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105, VDE-AR-N 4110							
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										
Display			LCD 240 × 160							
Interface			RS485/RS232/Wifi/LAN							