

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	
PV String Input Data								
Max. PV Input Power (kW)	78		91		97.5		104	
Max. PV Input Voltage (V)	1000							
Start-up Voltage (V)	250							
MPPT Voltage Range (V)	200-850							
Rated PV Input Voltage (V)	600							
Max. Operating PV Input Current (A)	40+40+40+40							
Max. Input Short Circuit Current (A)	60+60+60+60							
No. of MPP Trackers/ No. of Strings MPP Tracker	3+3+3+3		4+4+4+4					
AC Output Side								
Rated AC Output Active Power (kW)	60		70		75		80	
Max. AC Output Apparent Power (kVA)	66		77		82.5		88	
Rated AC 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	
Rated Output Voltage/Range (V)	3L/N/PE 220/380V, 230/400V							
Operating Phase	Three Phase							
Rated Output Grid Frequency/Range(Hz)	50/60(Optional)							
Power Factor Adjustment Range	0.8 leading to 0.8 lagging							
Total Current Harmonic Distortion THDi	<3%							
DC Injection Current	<0.5%In							
Grid Frequency Range	47-52 or 57-62 (Optional)							
Efficiency								
Max. Efficiency	98.7%							
Euro Efficiency	98.3%							
MPPT Efficiency	>99%							
Equipment 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							
Features								
Display	LCD 240 × 160							
Interface	RS485/RS232/Wifi/LAN							
General Data								
Running Temperature	-25 to +60°C, >45°C Derating							
Permissible Ambient Humidity	0-100%							
Permissible Altitude (m)	2000m							
Noise (dB)	≤50		≤55					
Ingress Protection(IP) Rating	IP 65							
Over Voltage Category	OVC II(DC), OVC III(AC)							
Cabinet Size (WxHxD mm)	700×575×297 (Excluding Connectors and Brackets)							
Weight (kg)	60							
Topology	<1W (Night)							
Internal Consumption	Transformerless							
Warranty	5 Years							
Cooling Concept	Smart Cooling							
Grid Regulation	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							
Safety EMC/Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2							