

Microinverter

SUN-M80G4-EU-Q0



- ✓ 2 MPP trackers, module level monitoring
- ✓ IP67 protection degree
- ✓ Wi-Fi communication
- ✓ Rapid shutdown function
- ✓ Easy installation, suitable for quick-plug balcony PV system
- ✓ <100ms AC fast discharge, compliant with new required standard DIN VDE V 0126-95 (<200ms) to protect human safety
- ✓ Complete NS protection with self-check function
- ✓ External relay advantage with low temperature, long life, easier maintenance
- ✓ 25 years design lifetime and 15 years warranty
- ✓ With integrate Wi-Fi

Deye

Stock Code: 605117.SH

Technical Data

Model	SUN-M60G4-EU-Q0	SUN-M80G4-EU-Q0	SUN-M100G4-EU-Q0
PV String Input Data			
Max. PV Input Power (W)	210-420(2 Pieces)	210-560(2 Pieces)	210-700(2 Pieces)
Max. PV Input Voltage (V)		60	
Start-up Voltage (V)		20	
MPPT Voltage Range (V)		25-55	
Rated PV Input Voltage (V)		42.5	
Max. Operating PV Input Current (A)		13+13	
Max. Input Short Circuit Current (A)		19.5+19.5	
No. of MPP Trackers/ No. of Strings MPP Tracker		2/1	
AC Output Side			
Rated AC Output Active Power (W)	600	800	1000
Max. AC Output Apparent Power (VA)	600	800	1000
Rated AC Output Current (A)	2.8/2.7	3.7/3.5	4.6/4.4
Max. AC Output Current (A)	2.8/2.7	3.7/3.5	4.6/4.4
Rated Output Voltage/Range (V)		220/230 0.85Un-1.1Un	
Grid Connection Form		L/N/PE	
Rated Output Grid Frequency/Range(Hz)		50/45-55, 60/55-65	
Max. Unit per Branch	8	6	5
Power Factor Adjustment Range		0.9 leading-0.9 lagging	
Total Current Harmonic Distortion THDi		<3%	
DC Injection Current		<0.5In	
Efficiency			
Max. Efficiency		96.5%	
Euro Efficiency		96.0%	
MPPT Efficiency		>99%	
Equipment Protection			
DC Polarity Reverse Connection Protection		Yes	
AC Output Overcurrent Protection		Yes	
AC Output Overvoltage Protection		Yes	
AC Output Short Circuit Protection		Yes	
Thermal Protection		Yes	
DC Terminal Insulation Impedance Monitoring		Yes	
Power Network Monitoring		Yes	
Island Protection Monitoring		Yes	
Earth Fault Detection		Yes	
Overvoltage Load Drop Protection		Yes	
Interface			
Communication Interface		Wi-Fi	
General Data			
Operating Temperature Range (°C)		-40 to +65°C, >45°C Derating	
Permissible Ambient Humidity		0-100%	
Permissible Altitude (m)		2000m	
Noise (dB)		≤25	
Ingress Protection(IP) Rating		IP 67	
Inverter Topology		Isolated	
Over Voltage Category		OVC III(DC), OVC III(AC)	
Cabinet Size (WxHxD mm)		280.5×190×40 (Excluding Connectors and Brackets)	
Weight (kg)		3	
Warranty		15 Years	
Type of Cooling		Natural Cooling	
Grid Regulation		IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, G99, VDE-AR-N 4105	
Safety EMC/Standard		IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	