

# Microinverter

SUN-M60/80/100G4-EU-Q0



- ✓ 2 MPP tracker, module level monitoring
- ✓ IP67 protection degree
- ✓ WIFI communication
- ✓ Rapid shutdown function
- ✓ Easy installation, suitable for quick-plug balcony PV system
- ✓ <100ms AC fast discharge, compliant with new required standard DIN VDE 0620-1 (<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 WIFI

## Technical Data

Model	SUN-M60G4-EU-Q0	SUN-M80G4-EU-Q0	SUN-M100G4-EU-Q0
<b>PV String Input Data</b>			
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 MPPT Trackers/ No. of Strings per MPPT	2/1		
<b>AC Output Data</b>			
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	0.8 leading to 0.8 lagging		
Total Current Harmonic Distortion THDi	<3%		
DC Injection Current	<0.5%In		
<b>Efficiency</b>			
Max. Efficiency	96.5%		
Euro Efficiency	96.0%		
MPPT Efficiency	>99		
<b>Equipment Protection</b>			
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	Yes		
Monitoring Power Network Monitoring	Yes		
Island Protection Monitoring	Yes		
Earth Fault Detection	Yes		
Overvoltage Load Drop Protection	Yes		
<b>Interface</b>			
Communication Interface	WiFi		
<b>General Data</b>			
Operating Temperature Range (°C)	-25 to +65°C, >45°C Derating		
Permissible Ambient Humidity	0-100%		
Permissible Altitude (m)	2000m		
Noise (dB)	≤25 dB		
Ingress Protection(IP) Rating	IP 67		
Inverter Topology	Isolated		
Over Voltage Category	OVC II(DC), OVC III(AC)		
Cabinet Size (WxHxD mm)	280.5x190x40 (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, OVE-Richtlinie R25, G99, VDE-AR-N 4105		
Safety EMC/Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2		