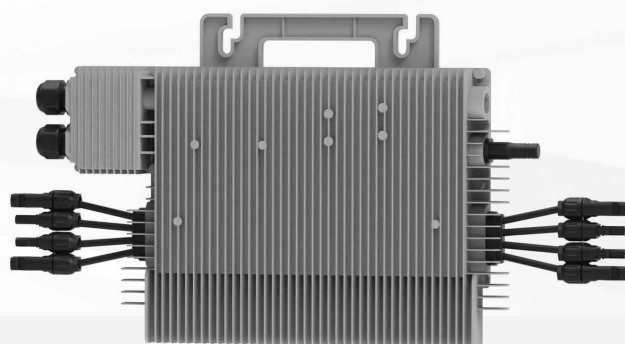


Microinverter

SUN-S130/160/180/200/220/225/250G4-EU-Q0



Safe

- Rapid shutdown function
- Complete NS protection with self-check function



Reliable

- IP67 protection degree
- 25 years design lifetime, 10 years warranty



Intuitive

- Wi-Fi communication
- Easy installation, suitable for quick-plug balcony PV systems



Efficient

- 2 MPPTs, Up to 4 PV Modules
- <100ms AC fast discharge, compliant with DIN VDE 0126-95 (<200ms) safety standard

Model	SUN-S130G4 -EU-Q0	SUN-S160G4 -EU-Q0	SUN-S180G4 -EU-Q0	SUN-S200G4 -EU-Q0	SUN-S220G4 -EU-Q0	SUN-S225G4 -EU-Q0	SUN-S250G4 -EU-Q0
PV String Input Data							
Max. PV Input Power (W)	210-460 (4 Pieces)	210-560 (4 Pieces)	210-630 (4 Pieces)	210-700 (4 Pieces)	210-770 (4 Pieces)	210-790 (4 Pieces)	210-870 (4 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)	16+16+16+16						18+18+18+18
Max. Input Short-Circuit Current (A)	24+24+24+24						27+27+27+27
No. of MPP Trackers/ No. of Strings MPP Tracker	2/2+2						
AC Output Data							
Rated AC Output Active Power (W)	1300	1600	1800	2000	2200	2250	2500
Max. AC Output Apparent Power (VA)	1300	1600	1800	2000	2200	2250	2500
Rated AC Output Current (A)	6/5.7	7.3/7	8.2/7.9	9.1/8.7	10/9.6	10.3/9.8	11.4/10.9
Max. AC Output Current (A)	6/5.7	7.3/7	8.2/7.9	9.1/8.7	10/9.6	10.3/9.8	11.4/10.9
Max. Unit per Branch	5	4	3	3	3	3	3
Rated input/output voltage	220/230V 0.85Un-1.1Un L/N/PE						
Rated Output Grid Frequency/Range(Hz)	50/45-55, 60/55-65						
Power Factor Adjustment Range	0.9 leading to 0.9 lagging						
Total Current Harmonic Distortion THDi	<3%						
DC Injection Current	<0.5%In						
Efficiency							
Max. Efficiency	96.5%						
Euro Efficiency	96.0%						
MPPT Efficiency	>99%						
Equipment Protection							
DC Reverse Polarity Protection	Yes						
AC Output Overcurrent Protection	Yes						
AC Output Overvoltage Protection	Yes						
AC Output Short Circuit Protection	Yes						
Thermal Protection	Yes						
Insulation Impedance Detection	Yes						
Anti-islanding Protection	Yes						
Surge Protection Level	TYPE II(AC)						
Interface							
Communication Interface	WiFi						
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 II(DC), OVC III(AC)						
Cabinet Size (WxHxD mm)	366×236×38 (Excluding Connectors and Brackets)						
Weight (kg)	4.66						4.7
Warranty	10 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, G98, VDE-AR-N 4105						
Safety EMC/Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2						