

Microinverter

SUN-M130/160/180/200/225G4-EU-Q0-I



Wireless wifi communication, no wiring required



Bidirectional measurement can record electricity consumption data while also preventing backflow



IP67 protection degree, *10 years warranty



Max. DC input current of 18A, adapt to 790W PV module



4 MPP trackers, module level monitoring



Rapid shutdown function

Deye

Stock Code: 605117.SH

Model	SUN-M130G4 -EU-Q0-I	SUN-M160G4 -EU-Q0-I	SUN-M180G4 -EU-Q0-I	SUN-M200G4 -EU-Q0-I	SUN-M220G4 -EU-Q0-I	SUN-M225G4 -EU-Q0-I
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)
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)	18+18+18+18					
Max. Input Short Circuit Current (A)	27+27+27+27					
No. of MPP Trackers/ No. of Strings MPP Tracker	4/1					
AC Output Side						
Rated AC Output Active Power (W)	1300	1600	1800	2000	2200	2250
Max. AC Output Apparent Power (VA)	1300	1600	1800	2000	2200	2250
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
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
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	5	4	3	3	3	3
Power Factor Adjustment Range	0.9 leading-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 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					
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)					
Communication	Wi-Fi					
Cabinet Size (WxHxD mm)	358×255.5×36.5 (Excluding Connectors and Brackets)					
Weight (kg)	4.95					
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, G98, VDE-AR-N 4105					
Safety EMC/Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2					

*Note: 15 Years Warranty (Only Installed in Germany and Austria)

	Parameter	Value
Communication	Wireless Type	WiFi
	Working Frequency	2.412GHz~2.484GHz
	Local COM	RS485
	Serial Parameter	Address 001、 9600bps、 E、 8、 1
	Data Interval	5 mins
Meter	Rated Voltage	AC 230V 5(60)A 50/60Hz
	Power Range	0~999999.99kWh
	Accuracy Class	1.0
	Consumption	≤3.5W
Environ ment	Working Temperature	-30°C~+70°C
	Relative Humidity	≤85%(No condensation), Altitude<3000m
	Atmospheric Pressure	70kPa~106kPa
	Transportation & Storage	Temperature: -40°C~85°C, Relative Humidity≤85%