

Microinverter

SUN-M130/160/180/200/220G4-EU-Q0

SUN-M180/200G4-EU-Q0-P



IP67 protection degree, *10 years warranty



WIFI communication

18

Max. DC input current of 18A, adapt to 700W PV module



4 MPP trackers, module level monitoring



Rapid shutdown function

Deye

Technical Data

Model	SUN-M130G4 -EU-Q0	SUN-M160G4 -EU-Q0	SUN-M180G4 -EU-Q0	SUN-M200G4 -EU-Q0	SUN-M180G4 -EU-Q0-P	SUN-M200G4 -EU-Q0-P	SUN-M220G4 -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)	210-630 (4 Pieces)	210-700 (4 Pieces)	210-770 (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)	15+15+15+15				18+18+18+18		
Max. Input Short Circuit Current (A)	22.5+22.5+22.5+22.5				27+27+27+27		
No. of MPP Trackers/ No. of Strings per MPP Tracker	4/1						
AC Output Side							
Rated AC Output Active Power (W)	1300	1600	1800	2000	1800	2000	2200
Max. AC Output Apparent Power (VA)	1300	1600	1800	2000	1800	2000	2200
Rated AC Output Current (A)	6/5.7	7.3/7	8.2/7.9	9.1/8.7	8.2/7.9	9.1/8.7	10/9.6
Max. AC Output Current (A)	6/5.7	7.3/7	8.2/7.9	9.1/8.7	8.2/7.9	9.1/8.7	10/9.6
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	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						
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) (Excluding Connectors and Brackets)	311×250.5×36.5						358×255.5×36.5
Weight (kg)	5.1						5.2
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, G99, 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)