

# Microinverter


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

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




**18** Max. DC input current of 18A, adapt to 770W PV module

 IP67 protection degree, \*10 years warranty

 4 MPP trackers, module level monitoring

 Wi-Fi communication

 Rapid shutdown function

**Deye**

Stock Code: 605117.SH

| Model  | SUN-M130G4<br>-EU-Q0  | SUN-M160G4<br>-EU-Q0  | SUN-M180G4<br>-EU-Q0  | SUN-M200G4<br>-EU-Q0  | SUN-M180G4<br>-EU-Q0-P | SUN-M200G4<br>-EU-Q0-P |
|--|---|-----------------------|-----------------------|-----------------------|------------------------|------------------------|
| <b>PV String Input Data</b>                        |   |                       |                       |                       |                        |                        |
| Max. PV Input Power (W)                            | 210-460<br>(4 Pieces)   | 210-560<br>(4 Pieces) | 210-630<br>(4 Pieces) | 210-700<br>(4 Pieces) | 210-630<br>(4 Pieces)  | 210-700<br>(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/<br>No. of Strings MPP Tracker | 4/1   |                       |                       |                       |                        |                        |
| <b>AC Output Side</b>                              |   |                       |                       |                       |                        |                        |
| Rated AC Output Active Power (W)                   | 1300  | 1600                  | 1800                  | 2000                  | 1800                   | 2000                   |
| Max. AC Output Apparent Power (VA)                 | 1300  | 1600                  | 1800                  | 2000                  | 1800                   | 2000                   |
| 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                |
| 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                |
| 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   |                       |                       |                       |                        |                        |
| <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 Monitoring        | Yes   |                       |                       |                       |                        |                        |
| Power Network Monitoring                           | Yes   |                       |                       |                       |                        |                        |
| Island Protection Monitoring                       | Yes   |                       |                       |                       |                        |                        |
| Earth Fault Detection                              | Yes   |                       |                       |                       |                        |                        |
| Overvoltage Load Drop Protection                   | Yes   |                       |                       |                       |                        |                        |
| <b>General Data</b>                                |   |                       |                       |                       |                        |                        |
| 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)  |                       |                       |                       |                        |                        |
| Communication                                      | Wi-Fi   |                       |                       |                       |                        |                        |
| Cabinet Size (WxHxD mm)                            | 311×250.5×36.5 (Excluding Connectors and Brackets)  |                       |                       |                       |                        |                        |
| Weight (kg)  | 5.1   |                       |                       |                       |                        |                        |
| 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, 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)