

# blueplanet 3.0 - 5.0 NX1 M2

Transformerless, single-phase string inverters.



## Small System? Big convenience. Sure thing.

Simple installation, also outdoors

Quick WiFi set up with app

Smart monitoring with user-friendly app

Lightweight @ 11 kg

Quiet performance with low 25dB levels



Smart monitoring with

## Technical Data

| DC input data                            | 3.0 NX1 M2   | 3.7 NX1 M2                         |
|--|--|------------------------------------|
| Max. recommended PV generator power      | 4500 W   | 5520 W                             |
| MPP range@rated power                    | 140 – 480 V  | 165 – 480 V                        |
| Operating range                          | 80 – 550 V   | 80 – 550 V                         |
| Rated DC voltage / start voltage         | 360 V / 100 V  | 360 V / 100 V                      |
| Max. no-load voltage                     | 580 V  | 580 V                              |
| Max. input current                       | 2 x 12 A   | 2 x 12 A                           |
| Max. short circuit current $I_{sc\ max}$ | 2 x 18 A   | 2 x 18 A                           |
| Number of MPP tracker                    | 2  | 2                                  |
| Connection per tracker                   | 1  | 1                                  |
| Max. input power per tracker             | 3500 W   | 3500 W                             |
| AC output data                           |  |                                    |
| Rated active power                       | 3 000 VA   | 3 680 VA                           |
| Max. apparent power                      | 3 000 VA   | 3 680 VA                           |
| Line voltage                             | 230 V (1 / N / PE)   | 230 V (1 / N / PE)                 |
| Voltage range (Ph-Ph)                    | 180 – 290 V  | 180 – 290 V                        |
| Rated frequency (range)                  | 50 Hz / 60 Hz (45 – 65 Hz)   | 50 Hz / 60 Hz (45 – 65 Hz)         |
| Rated current                            | 13.0 A   | 16.0 A                             |
| Max. current                             | 15.0 A   | 16.0 A                             |
| Reactive power / cos phi                 | 0.8 overexcited - 0.8 underexcited   | 0.8 overexcited - 0.8 underexcited |
| Max. total harmonic distortion (THD)     | <3 %   | <3 %                               |
| Number of grid phases                    | 1  | 1                                  |
| General data                             |  |                                    |
| Max. efficiency                          | 97.5 %   | 97.5 %                             |
| Europ. efficiency                        | 96.9 %   | 97.0%                              |
| Standby consumption                      | <5 W   | <5 W                               |
| Circuitry topology                       | transformerless  | transformerless                    |
| Mechanical data                          |  |                                    |
| Display                                  | LEDs + APP   | LEDs + APP                         |
| Communication Interface                  | WiFi   | WiFi                               |
| DC connection                            | DC plugs (SUNCLIX)   | DC plugs (SUNCLIX)                 |
| AC connection                            | plug-in connector  | plug-in connector                  |
| Ambient temperature                      | -25 °C – +60 °C  | -25 °C – +60 °C                    |
| Humidity                                 | 0 – 100 %  | 0 – 100 %                          |
| Max. installation elevation (above)      | 3 000 m  | 3 000 m                            |
| Min. distance from coast                 | 2 000 m  | 2 000 m                            |
| Cooling                                  | convection cooling   | convection cooling                 |
| Protection class                         | IP65   | IP65                               |
| Noise emission                           | < 25 db (A)  | < 25 db (A)                        |
| H x W x D                                | 376 x 355 x 145 mm   | 376 x 355 x 145 mm                 |
| Weight                                   | 11 kg  | 11 kg                              |
| Certifications                           |  |                                    |
| Safety                                   | IEC 62109-1 / -2, EN 61000-6-1 / -2 / -3/-4, EN 61000-3-2 / -3 / -11 / -12, EN50549-1, VFR 2019 & UTE C15-712-1, CEI 0-21, C10/C11, IEC61727, IEC62116, IEC61683 |                                    |
| Grid connection rule                     | overview see homepage / download area  |                                    |

## Technical Data

| DC input data                            | 4.0 NX1 M2   | 5.0 NX1 M2                         |
|--|--|------------------------------------|
| Max. recommended PV generator power      | 6000 W   | 7500 W                             |
| MPP range@rated power                    | 180 – 480 V  | 220 – 480 V                        |
| Operating range                          | 80 – 550 V   | 80 – 550 V                         |
| Rated DC voltage / start voltage         | 360 V / 100 V  | 360 V / 100 V                      |
| Max. no-load voltage                     | 580 V  | 580 V                              |
| Max. input current                       | 2 x 12 A   | 2 x 12 A                           |
| Max. short circuit current $I_{sc\ max}$ | 2 x 18 A   | 2 x 18 A                           |
| Number of MPP tracker                    | 2  | 2                                  |
| Connection per tracker                   | 1  | 1                                  |
| Max.input power per tracker              | 3500 W   | 3500 W                             |
| AC output data                           |  |                                    |
| Rated active power                       | 4 000 VA   | 5 000 VA                           |
| Max. apparent power                      | 4 000 VA   | 5 000 VA                           |
| Line voltage                             | 230 V (1 / N / PE)   | 230 V (1 / N / PE)                 |
| Voltage range (Ph-Ph)                    | 180 – 290 V  | 180 – 290 V                        |
| Rated frequency (range)                  | 50 Hz / 60 Hz (45 – 65 Hz)   | 50 Hz / 60 Hz (45 – 65 Hz)         |
| Rated current                            | 17.4 A   | 21.7 A                             |
| Max. current                             | 20.0 A   | 22.7 A                             |
| Reactive power / cos phi                 | 0.8 overexcited - 0.8 underexcited   | 0.8 overexcited - 0.8 underexcited |
| Max. total harmonic distortion (THD)     | <3 %   | <3 %                               |
| Number of grid phases                    | 1  | 1                                  |
| General data                             |  |                                    |
| Max. efficiency                          | 97.5 %   | 97.5 %                             |
| Europ. efficiency                        | 97.0 %   | 97.0%                              |
| Standby consumption                      | <5 W   | <5 W                               |
| Circuitry topology                       | transformerless  | transformerless                    |
| Mechanical data                          |  |                                    |
| Display                                  | LEDs + APP   | LEDs + APP                         |
| Communication Interface                  | WiFi   | WiFi                               |
| DC connection                            | DC plugs (SUNCLIX)   | DC plugs (SUNCLIX)                 |
| AC connection                            | plug-in connector  | Plug-in Connector                  |
| Ambient temperature                      | -25 °C – +60 °C  | -25 °C – +60 °C                    |
| Humidity                                 | 0 – 100 %  | 0 – 100 %                          |
| Max. installation elevation (above)      | 3 000 m  | 3 000 m                            |
| Min. distance from coast                 | 2 000 m  | 2 000 m                            |
| Cooling                                  | convection cooling   | convection cooling                 |
| Protection class                         | IP65   | IP65                               |
| Noise emission                           | < 25 db (A)  | < 25 db (A)                        |
| H x W x D                                | 376 x 355 x 145 mm   | 376 x 355 x 145 mm                 |
| Weight                                   | 11 kg  | 11 kg                              |
| Certifications                           |  |                                    |
| Safety                                   | IEC 62109-1 / -2, EN 61000-6-1 / -2 / -3/-4, EN 61000-3-2 / -3 / -11 / -12, EN50549-1, VFR 2019 & UTE C15-712-1, CEI 0-21, C10/C11, IEC61727, IEC62116, IEC61683 |                                    |
| Grid connection rule                     | overview see homepage / download area  |                                    |

