

# blueplanet 3.0 – 5.0 NX1

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
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