

blueplanet 25.0 – 33.0 NX3 M3

Multi-MPPT inverters for
commercial solar PV plants



The power of independence.

Functional, robust design
offers easy and flexible ways of
installation

User-friendly apps for Wi-Fi setup
and monitoring

DC SPD Type II, AC SPD Type III*

DC reverse polarity protection

3 MPP trackers for versatility in
application (incl. retrofit)



Technical Data

DC input data	25.0 NX3 M3	30.0 NX3 M3
Max. recommended PV generator power	37 500 W	45 000 W
MPP range@rated power	450 – 850 V	450 – 850 V
Operating range	180 – 1000 V	180 – 1000 V
Rated DC voltage / start voltage	630 V / 200 V	630 V / 200 V
Max. no-load voltage	1100 V	1100 V
Max. input current	3 x 32 A	3 x 32 A
Max. short circuit current $I_{sc\ max}$	3 x 48 A	3 x 48 A
Number of MPP tracker	3	3
Connection per tracker	2	2
Max. input power per tracker	20 000 W	20 000 W
AC output data		
Rated active power	25 000 W	30 000 W
Max. apparent power	25 000 VA	30 000 VA
Line voltage	220 V / 380 V (3 / 3-N-PE) 230 V / 400 V (3 / 3-N-PE) 240 V / 415 V (3 / 3-N-PE)	220 V / 380 V (3 / 3-N-PE) 230 V / 400 V (3 / 3-N-PE) 240 V / 415 V (3 / 3-N-PE)
Voltage range (Ph-Ph)	160 V – 300 V	160 V – 300 V
Rated frequency (range)	50 Hz / 60 Hz (45 – 65 Hz)	50 Hz / 60 Hz (45 – 65 Hz)
Max. current	39,9 A	47,8 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	3	3
General data		
Max. efficiency	97,4 %	97,7 %
Europ. efficiency	97,2 %	97,4 %
Standby consumption	<1 W	<1 W
Circuitry topology	transformerless	transformerless
Mechanical data		
Display	LED indication (status, fault, communication)	LED indication (status, fault, communication)
Communication Interface	WiFi / RS485	WiFi / RS485
DC connection	DC plugs (Phoenix Contact Sunclix)	DC plugs (Phoenix Contact Sunclix)
AC connection	plug-in connector	plug-in connector
Ambient temperature	-25 °C – +60 °C	-25 °C – +60 °C
Humidity	0 – 100 % (non-condensing)	0 – 100 % (non-condensing)
Max. installation elevation (above)	3 000 m	3 000 m
Climatic category (acc. to IEC 60721-3-4)	4K4H	4K4H
Cooling	active cooling	active cooling
Protection class	IP66	IP66
Noise emission	<50 db (A)	<50 db (A)
H x W x D	520 x 543 x 225 mm	520 x 543 x 225 mm
Weight	29 kg	29 kg
Certifications		
Safety	IEC 62109-1:2010 and -2:2011; EN 62311:2020; EN 61000-3-3:2013; EN 61000-3-11:2000; EN 61000-3-2:2014; EN 61000-3-12:2011; EN IEC 63000:2018	
Grid connection rule	overview see homepage / download area	

¹⁾ DC and AC overvoltage protection devices not replaceable

Technical Data

DC input data	33.0 NX3 M3
Max. recommended PV generator power	49 500 W
MPP range@rated power	450 – 850 V
Operating range	180 – 1000 V
Rated DC voltage / start voltage	630 V / 200 V
Max. no-load voltage	1100 V
Max. input current	2 x 32 A / 1 x 40 A
Max. short circuit current $I_{sc\ max}$	2 x 48 A / 1 x 60 A
Number of MPP tracker	3
Connection per tracker	2
Max.input power per tracker	22 000 W
AC output data	
Rated active power	33 000 W
Max. apparent power	33 000 VA
Line voltage	220 V / 380 V (3 / 3-N-PE) 230 V / 400 V (3 / 3-N-PE) 240 V / 415 V (3 / 3-N-PE)
Voltage range (Ph-Ph)	160 V – 300 V
Rated frequency (range)	50 Hz / 60 Hz (45 – 65 Hz)
Max. current	52.6 A
Reactive power / cos phi	0.8 overexcited – 0.8 underexcited
Max. total harmonic distortion (THD)	<3 %
Number of grid phases	3
General data	
Max. efficiency	98,0 %
Europ. efficiency	97,6 %
Standby consumption	<1 W
Circuitry topology	transformerless
Mechanical data	
Display	LED indication (status, fault, communication)
Communication Interface	WiFi / RS485
DC connection	DC plugs (Phoenix Contact Sunclix)
AC connection	plug-in connector
Ambient temperature	-25 °C – +60 °C
Humidity	0 – 100 % (non-condensing)
Max. installation elevation (above)	3 000 m
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Noise emission	<50 db (A)
H x W x D	520 x 543 x 225 mm
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Safety	IEC 62109-1:2010 and -2:2011; EN 62311:2020; EN 61000-3-3:2013; EN 61000-3-11:2000; EN 61000-3-2:2014; EN 61000-3-12:2011; EN IEC 63000:2018
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