



NEW

blueplanet 25.0 NX3–33.0 NX3

MULTI-MPPT STRING INVERTERS
COMMERCIAL AND INDUSTRIAL
PHOTOVOLTAIC SYSTEMS

The power of independence.

Functional, robust design
for easy and flexible
installation options

25, 30 and 33 kVA output power
for new projects, retrofitting
and repowering

Compatible with bifacial
and high-power PV modules

3 MPPTs for versatile PV system
design (2 strings per MPPT)

32 A or 40 A input current
per MPPT

Higher yields through
oversizing and shading
management

Various interface options
for flexible system integration

User-friendly app for setup,
commissioning and
real-time monitoring



Technical Data.

DC input data	25.0 NX3 M3	30.0 NX3 M3	33.0 NX3 M3
Max. recommended PV generator power	37 500 W	45 000 W	49 500 W
MPP range		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	3x 32 A	3x 32 A	2x 32 A / 1 x 40 A
Max. short circuit current $I_{sc,max}$	3x 40 A	3x 40 A	2x 40 A / 1 x 50 A
Number of MPP trackers		3	
Connections per tracker		2	
DC surge protection		Type 2	
AC output data			
Rated output	25 000 W	30 000 W	33 000 W
Max. power	25 000 VA	30 000 VA	33 000 VA
Rated 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)	
Rated current		-	
Max. current	39.9 A	43.0 A	52.6 A
Reactive power / cos phi		0.80 ind.– 0.80 cap.	
Total harmonic distortion (THD)		<3 %	
Number of grid phases		3	
AC surge protection		Type 2	
General data			
Max. efficiency	97.4 %	97.7 %	98.0 %
Europ. efficiency	97.2 %	97.4 %	97.6 %
Standby consumption		<1 W	
Circuitry topology		transformerless	
Mechanical data			
Display		LEDs	
Control units		App (supports mobile devices)	
Interfaces		WiFi, LAN, Ethernet, Modbus TCP-IP in reference to Sunspec / Sunspec Modbus RTU, KACO Legacy Protocol	
DC connection		DC plugs (Phoenix Contact Sunclix)	
AC connection		OT / DT	
Ambient temperature		-25 °C – +60 °C	
Humidity		0 – 100 % (non-condensing)	
Max. installation elevation (above MSL)		3 000 m	
Climatic category (acc. to IEC 60721-3-4)		4K4H	
Cooling		temperature controlled fan	
Protection class		Ip66 / NEMA 4X	
Noise emission		<50 db (A)	
H x W x D		600 x 573 x 245 mm	
Weight	30.5 kg	30.5 kg	32.4 kg
Certifications			
Safety & EMC		EN 62109-1, EN 62109-2, EN IEC 61000-6-2, EN 62920 class A/B EN IEC 61000-6-3, EN 55011 group 1/class B, EN 61000-3-12, EN IEC 61000-3-11	
Grid connection rule		overview see homepage / download area	