



blueplanet 25.0 NX3–33.0 NX3

MULTI-MPPT STRING INVERTERS
COMMERCIAL AND INDUSTRIAL
PHOTOVOLTAIC SYSTEMS

The power of independence.

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

Compatible with bifacial
and high-power PV modules

Additional connections:
4 digital inputs, NA protection

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 shade management

Various interface options
for flexible system integration

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

Zero feed-in
SPD AC Type 2/DC Type 2

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-N-PE) 230 V / 400 V (3-N-PE) 240 V / 415 V (3-N-PE)	
Voltage range (Ph-Ph)		180 - 305 V (Ph-N) / 312 - 528 V (Ph-Ph)	
Rated frequency (range)		50 Hz / 60 Hz (45 – 65 Hz)	
Rated current	3x 37,9 A (@220V/380V) 3x 36,2 A (@230V/400V) 3x 34,8 A (@240V/415V)	3x 45,5 A (@220V/380V) 3x 43,5 A (@230V/400V) 3x 41,7 A (@240V/415V)	3x 50,0 A (@220V/380V) 3x 47,8 A (@230V/400V) 3x 45,9 A (@240V/415V)
Max. current	39.9 A	47.8 A	52.6 A
Reactive power / cos phi		0-60 % Snom / 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, 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		

