KACO new energy.



blueplanet 360 NX3

MULTI-MPPT STRING INVERTER FOR UTILITY-SCALE AND PHOTOVOLTAIC SYSTEMS

- Power up to 363 kW
- Top-class cybersecurity
- Very Late Derating

Technical Data. blueplanet 360 NX3

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DC input data	360 NX3
Max. recommended PV generator power	544 000 W
MPP range	860 – 1300 V
Operating range	500 – 1500 V
Rated DC voltage / start voltage	1080 V / 550 V
Max. no-load voltage	1500 V
Max. input current	6 * 75 A
Max. short circuit current $I_{SC\ MAX}$	6 * 113 A
Number of MPP trackers	6
Connection per tracker	5/5/5/5/5/5
AC output data	
Rated output	363 000 VA @35 °C / 363 000 VA @40 °C > 1080 VDC / 326 700 VA @90% U_{NOM} according to AR-N-VDE 4110
Max. power	363 000 VA
Line voltage	800 V (3P+ PE)
Voltage range (Ph-Ph)	640 – 920 V
Rated frequency (range)	50 Hz / 60 Hz
Rated current	262 A
Max. current	262 A
Reactive power / cos phi	0.80 ind. – 0.80 cap.
Max. total harmonic distortion (THD)	< 3 %
Number of grid phases	3
General data	
Max. efficiency	98.9 %
Europ. efficiency	98.6 %
Standby consumption	< 6 W (night)
Circuitry topology	transformerless
Anti-PID	✓combined with the Communication Box
Tracker interface	✓
Q at night	✓
DC surge protection Type II	✓
AC Surge protection Type II	✓
Anti-island protection	✓
AC overcurrent protection	✓
DC reverse connection protection	✓
AC short circuit protection	✓
PV string monitoring	✓
Grid monitoring	✓
Residual Current Monitoring Unit	✓
Mechanical data	
Display	LED
Interfaces	RS485
DC connection	plug in connector
AC connection	OT/DT connector
Ambient temperature	-30 °C – +60 °C
Humidity	100 %
Max. installation elevation (above MSL)	4 000 m
Climatic category (according to IEC 60721-3-4)	4K4H
Cooling	forced air
Protection class	IP66
Noise emission	71 db (A)
H x W x D	810 mm x 1158 mm x 382 mm
Weight	122 kg
Certifications	
Safety & Grid	CE, IEC62109-1/2, IEC61683, 50549-10 / EN 50549-2 inc. A1:2023 / AR-N-VDE 4110 / AR-N-VDE 4120 / TOR Erzeuger B - D Version 1.3:2024 / NA/EEA-NE3-5 – CH 2022 / EN 50549-2 & EN 50549-10 french deviation / more information see homepage / download area

The text and figures reflect the current technical state at the time of printing. Subject to technical changes. Errors and omissions excepted. This current version replaces all older versions. Download the most current version at: www.kaco-newenergy.com