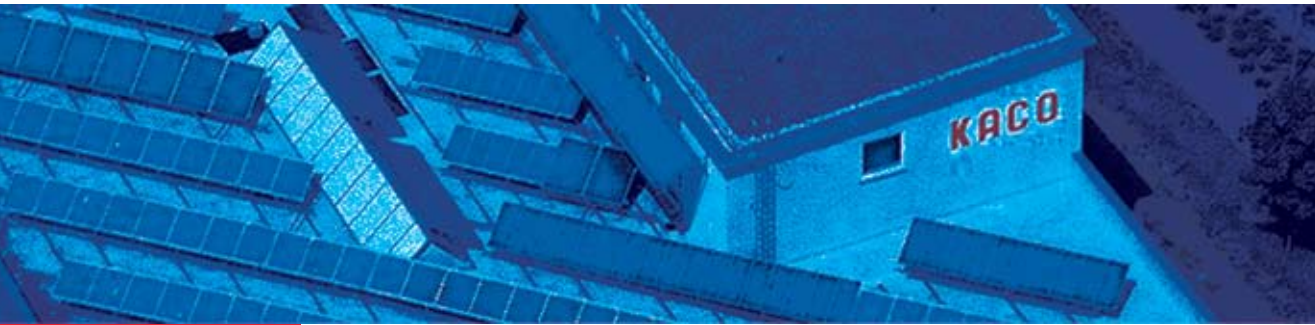


KACO blueplanet 290 | xi grid-tied inverter



- MADE IN GERMANY for over 60 years
- NEMA 3R enclosure for all applications
- Easy to read LCD display
- GFDI ground fault protection
- BiSi grid monitoring (anti-islanding)
- **easy**Install installation
- **easy**Link data interface
- **easy**Swap 10 year warranty



tested to UL 1741



KACO blueplanet 290Ixi grid-tied inverter



K A C O
S O L A R
P V I N V E R T E R S

| | | |
|----------------------------------|---|--|
| Model number | blueplanet 290Ixi | |
| DC – input data | | |
| Max. DC power | 3.8 kW _p | |
| MPP range | 125 - 300 V _{dc} | |
| Max. DC input voltage | 400 V _{dc} | |
| Max. array short circuit current | 33 A _{dc} | |
| AC – output data | | |
| CEC continuous AC output @ 40°C | 2900 W | |
| UL continuous AC output @ 25°C | 3100 W | |
| Max. utility backfeed current | 0 A _{ac} | |
| Max. overcurrent protection | 20A _{ac} | |
| AC operating voltage range | 211 – 264 V | |
| Frequency | 59.3 – 60.5 Hz | |
| CEC rated efficiency | 94% | |
| General data | | |
| Grid monitoring | BISI in accordance with UL 1741 | |
| Wiring concept | Electrically isolated DC/DC converter with downstream inverter | |
| Islanding protection | Active anti islanding | |
| Safety compliance | UL 1741, IEEE 929 & 519, NEC 690 | |
| DC reverse polarity protection | YES | |
| Ground fault protection | YES - internal GFDI | |
| Temperature protection | YES - power de-rating and emergency shut down | |
| Visual displays | Backlit LCD display 2x16 characters | |
| Accessory interfaces | RS232 / RS485 with easyLink - Optional S ₀ interface for large displays | |
| Connections | AC & DC connection with clamps | |
| Ambient operating temperature | -5°F - +149°F -20°C - + 65°C | |
| Cooling | Ultimate reliability - True convection | |
| Enclosure type | NEMA 3R / IP 54 | |
| Specifications | | |
| Dimensions | 19 5/8" x 13 3/8" x 8 3/8" | |
| Weight | 52.7 lbs | |
| Power Consumption | Night - 0W, Standby < 5W | |

KACO's electrically isolated inverters meet all the expectations you place on top-quality, modern inverters: easy to use, innovative technology, maximum efficiency and durability are all features of our grid-tie inverters. At KACO "Made in Germany" are not just empty words. All processes from development to production take place in Germany. KACO has been producing power supplies of all kinds for over 60 years. Our decades of experience are the basis for the successful **blueplanet** inverter series.

Our **easyInstall** system makes installation of the inverters extremely simple with our innovative, lightweight and easy mounting bracket. Cables are connected directly inside the inverter with screw clamps. The inverter's hinged housing door allows easy access to all PV terminals to ensure our **easyInstall** promise. In addition, KACO grid tie inverters are light enough for a single person to install.

When choosing accessories to connect to your **blueplanet** inverter, the **easyLink** interface system lets you choose between the various connection ports with ease. You can select which interface protocol, RS232 or RS485, should be used so no extra communication card is needed. The new design integrates these new features in an appealing way, while adding a very high end look and feel. With a NEMA 3R / IP54 enclosure the device is suitable to install in harsh conditions.

KACO also makes no compromises when it comes to warranties and service. The 10 year **easySwap** warranty is the simplest of its kind which means we offer a no hassle return policy. Simply call us and we'll swap your damaged or defective inverter with a functional unit.



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1004B O'Reilly Ave., The Presidio, San Francisco, CA 94129 •
T: +1 (866) KACO SOLAR F: +1 (415) 931 1688 •
kacoinfo@kacosolar.com www.kacosolar.com