



1502xi
2502xi
3502xi
5002xi

KACO blueplanet 02xi series grid-tied inverters

Performance

| | |
|------------------------|---|
| High efficiency: | 95.5% CEC efficiency on all 02xi series inverters ensures low energy losses |
| Wide MPPT range: | Highest string sizing flexibility with all modules and temperature ranges |
| Low start-up voltage: | KACO inverters wake up earlier and work longer than the competition |
| Designed for max. ROI: | Newest generation IGBTs and advanced MPPT algorithms |

Ease of installation

| | |
|--------------------------------|---|
| easy install T-bracket: | Minimizes mounting process to approximately 15 minutes |
| Lockable DC/AC disconnect: | Save up to \$150 with the pre-wired & separable integrated disconnects |
| Multiple knock-outs: | Knock-outs on bottom, sides and back offer great installation flexibility |
| Connection box: | Avoid costly channel raceways by directly connecting multiple inverters |
| Reduced weight: | KACO inverters are up to 50% lighter than comparably sized inverters |
| Reduced side clearance: | No fan cooling outlets on the sides |
| Field selectable voltages: | Use the same inverter in 208V, 220V or 240V grid settings |

Reliability

| | |
|---------------------------------|--|
| History: | KACO has been manufacturing power electronics for more than 60 years |
| Experience: | More than 2.5GW of inverters worth about \$1 billion installed worldwide |
| Split architecture design: | Power electronics are protected in a separate chamber |
| Sealed outdoor enclosure: | Protects power electronics from insects, dust, humidity and ocean air |
| DC reverse polarity protection: | Avoids potential damage to inverter caused by mis-wiring during installation |
| Redundant power capacitors: | Increases the lifetime of your inverter |
| Convection cooling: | No moving parts increases the uptime of your PV system |

Monitoring

KACO proLOG: Monitor up to 32 inverters as well as multiple sensors

KACO watchDOG: Integrated monitoring card decreases costs and increases reliability to give you the most innovative monitoring solution

easyLink data interface:

Integrated RS485 comm card saves over \$200 compared to some competitors

Integrated inverter display: Easy to use push-button interface to configure the inverter and access stored PV system data on the LCD screen

Integrated night switch:

Activates inverter display even after the PV system has shut down

blueplanet web: Free monitoring option for residential systems up to 10 kW

Warranty

KACO easySwap policy: No hassle inverter exchange policy is linked to serial number not original owner. No paperwork necessary.

Reimbursement policy:

KACO's \$150 warranty service reimbursement is among the best in the industry

KACO guarantee: 02xi series

inverter repairs after warranty will never be more than \$500

10 years standard warranty:

Warranties are only as valuable as the strength and longevity of the manufacturer. KACO is one of the few established inverter companies older than the warranties they offer.

For product and purchasing inquiries contact:

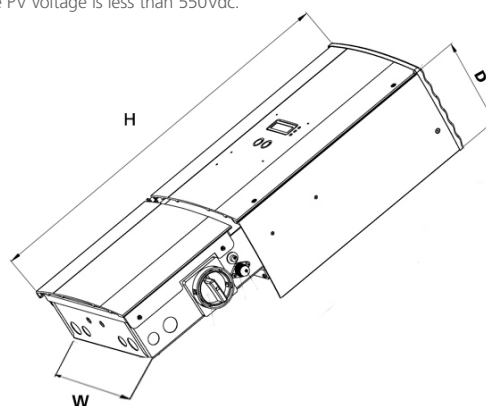
ecoDIRECT

CLEAN ENERGY SOLUTIONS
www.ecodirect.com

K A C O 
new energy.


| Model number | | blueplanet 1502xi | blueplanet 2502xi | blueplanet 3502xi | blueplanet 5002xi |
|------------------------------------|-------|---|---------------------------|---------------------------------|---------------------------|
| Input data (DC) | | | | | |
| DC operating range (MPP) | | 125 – 400 V _{DC} | 200 – 450 V _{DC} | 200 – 510 V _{DC} | 200 – 510 V _{DC} |
| Max. DC input voltage | | 550 V _{DC} | 550 V _{DC} | 600* V _{DC} | 600* V _{DC} |
| Nominal DC input current | | 14.3 A _{DC} | 13.5 A _{DC} | 18.5 A _{DC} | 26.5 A _{DC} |
| Max. DC input Isc current | | 21.45 A _{DC} | 21.45 A _{DC} | 28 A _{DC} | 40 A _{DC} |
| Output data (AC) | | | | | |
| Max. continuous output power (CEC) | | 1500 W | 2500 W | 3500 W | 5000 W |
| Max. over-current protection | | 15 A | 20 A | 25 A | 30 A |
| Max. continuous current | 240 V | 8 A _{AC} | 12 A _{AC} | 16 A _{AC} | 24 A _{AC} |
| | 208 V | 8 A _{AC} | 12.5 A _{AC} | 17 A _{AC} | 24 A _{AC} |
| AC operating range | 240 V | 211 – 264 V | | | |
| | 208 V | 184 – 226 V | | | |
| | 220 V | 198 – 242 V (for Mexico) | | | |
| Frequency | | 60 Hz (59.3 – 60.5 Hz) | | | |
| CEC rated efficiency | 240 V | 95.5% | 95.5% | 95.5% | 95.5% |
| | 208 V | 95% | 95% | 95.5% | 95% |
| Additional data | | | | | |
| AC/DC disconnect ratings | | AC: 300 V – 36 A / DC: 600 V – 40 A | | | |
| Cooling | | True convection - ultimate reliability (5002xi - fan assisted) | | | |
| DC reverse polarity protection | | Yes | | | |
| Ground fault protection | | Integrated ground fault detector/interrupter (GFDI) | | | |
| Grounding | | Field selectable positive or negative ground option | | | |
| Visual displays | | Backlit LCD w/ convenient night switch & push button controls | | | |
| Included accessory interfaces | | easyLink RS485 & S0 port | | | |
| Ambient temp @ max AC power | | -4°F – +104°F (-20°C – + 40°C) | | -13°F – +104°F (-25°C – + 40°C) | |
| Ambient operating temp | | -4°F – +140°F (-20°C – + 60°C) | | -13°F – +140°F (-25°C – + 60°C) | |
| Thermal protection | | Yes | | | |
| Noise emissions | | < 35 dB (silent operation) / 5002xi < 45 dB (near silent operation) | | | |
| Night power consumption | | 0.3 W | | | |
| Warranty | | Standard easySwap 10 years | | | |
| Certifications | | | | | |
| Safety compliance | | UL 1741, IEEE 1547, NEC, CSA 22.2 No.107.1-01 | | | |
| Communications compliance | | FCC Part 15 Class B | | | |

* - Unit will only feed power if the PV voltage is less than 550Vdc.



| Mechanical Specifications | | | | |
|----------------------------------|---------------------|-----------------|--------------------|----------------|
| Model | Height (H) | Width (W) | Depth (D) | Weight |
| 1502xi | 30 in. (761 mm) | 14 in. (356 mm) | 8 1/4 in. (208 mm) | 42 lbs (19 kg) |
| 2502xi | 32 in. (813 mm) | 14 in. (356 mm) | 8 1/4 in. (208 mm) | 52 lbs (24 kg) |
| 3502xi | 35 7/8 in. (914 mm) | 14 in. (356 mm) | 9 1/4 in. (241 mm) | 69 lbs (31 kg) |
| 5002xi | 35 7/8 in. (914 mm) | 14 in. (356 mm) | 9 1/4 in. (241 mm) | 70 lbs (32 kg) |
| Enclosure | NEMA 3R | | | |

T: +1 (866) 522 6765 • F: +1 (415) 931 1688
kacoinfo@kaco-newenergy.com • www.kaco-newenergy.com

 Printed on post consumer material