



1502x
2502x
3502x
5002x

KACO blueplanet 02x lite series when \$ per Watt matters

Increase margins with the most affordable grid tied inverter series available.

Performance

| | |
|------------------------|--|
| High efficiency: | 95.5% CEC efficiency on all 02x 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

| | |
|----------------------------|--|
| easyINSTALL system: | Minimizes mounting process to approximately 15 minutes |
| 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 |
| Multiple knockouts: | 1/2" & 3/4" knockouts offer great installation flexibility |

Reliability

| | |
|---------------------------------|--|
| History: | KACO has been manufacturing power electronics for more than 60 years |
| Experience: | More than 3 GW of inverters worth more than \$1 billion installed worldwide |
| Sealed outdoor enclosure: | Protects power electronics from dust, humidity, insects 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 10kW.*

*Available for all system sizes for additional cost.

Warranty

KACO easySWAP policy:

Benefit from KACO's no hassle inverter exchange policy.

Reimbursement policy:

KACO's \$150 service reimbursement is among the most generous in the industry.

KACO guarantee:

O2x series inverter repairs after warranty will never be higher than \$550.

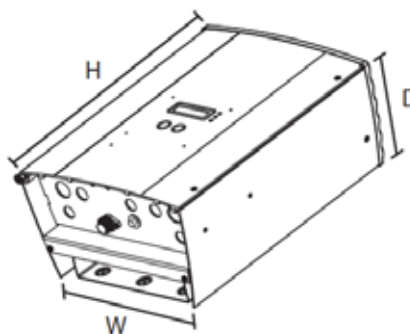
10 years standard warranty:

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



| Model number | blueplanet 1502x | blueplanet 2502x | blueplanet 3502x | blueplanet 5002x |
|------------------------------------|---|---------------------------|---------------------------------|---------------------------|
| 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} |
| | 208 V | 8 A _{ac} | 12.5 A _{ac} | 17 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% |
| | 208 V | 95% | 95% | 95% |
| Additional data | | | | |
| 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 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 |
| 1502x | 17 3/4 in (450 mm) | 14 in (355 mm) | 8 1/4 (209 mm) | 32 lbs (14.5 kg) |
| 2502x | 19 3/4 in (501 mm) | 14 in (355 mm) | 8 1/4 (209 mm) | 42 lbs (19 kg) |
| 3502x | 23 3/4 in (603 mm) | 14 in. (356 mm) | 9 1/4 in. (241 mm) | 59 lbs (26.8 kg) |
| 5002x | 23 3/4 in (603 mm) | 14 in. (356 mm) | 9 1/4 in. (241 mm) | 59 lbs (26.8 kg) |
| Enclosure | NEMA 3R | | | |