



6400xi  
7600xi

## KACO blueplanet 00xi series transformerless grid-tied inverters

### Performance

|                               |                                                                                |
|-------------------------------|--------------------------------------------------------------------------------|
| High efficiency:              | 96.5% CEC efficiency on all 00xi series inverters ensures lowest energy losses |
| High efficiency at low power: | KACO transformerless inverters are 94% efficient at 10% output power           |
| Designed for max. ROI:        | Newest generation IGBTs and advanced MPPT algorithms                           |

### Ease of installation

|                                |                                                                           |
|--------------------------------|---------------------------------------------------------------------------|
| <b>easy</b> install T-bracket: | Minimizes mounting process to approximately 15 minutes                    |
| Lockable DC disconnect:        | Save up to \$100 with the pre-wired & separable integrated disconnect     |
| 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                 |
| Four fused DC inputs:          | The inverter doubles as a code compliant string combiner                  |

### Reliability

|                                 |                                                                              |
|---------------------------------|------------------------------------------------------------------------------|
| History:                        | KACO has been manufacturing power electronics for more than 60 years         |
| Experience:                     | More than 3 GW 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:             | Natural convection cooling minimizes use of the assist fan                   |

## 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 night switch:

Activates inverter display even after the PV system has shut down.

### SymBus monitoring interface:

Monitors and controls phase imbalance on 3-phase systems.

### blueplanet web:

Free monitoring option for residential systems up to 10kW.

## 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:

00xi series inverter repairs after warranty will never be higher than \$600.

### 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.

For product and purchasing inquiries contact:

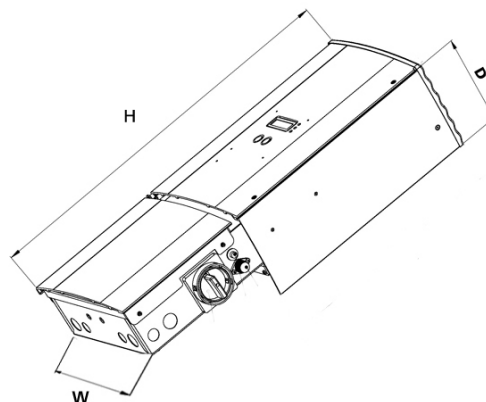
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| Model number                       |       | blueplanet 6400xi                                             | blueplanet 7600xi         |
|------------------------------------|-------|---------------------------------------------------------------|---------------------------|
| Input data (DC)                    |       |                                                               |                           |
| DC operating range                 | 240 V | 320 – 550 V <sub>DC</sub>                                     | 320 – 550 V <sub>DC</sub> |
|                                    | 208 V | 290 – 550 V <sub>DC</sub>                                     | 290 – 550 V <sub>DC</sub> |
| Max. DC input voltage              |       | 600* V <sub>DC</sub>                                          | 600* V <sub>DC</sub>      |
| Nominal DC input current           |       | 21 A <sub>DC</sub>                                            | 24 A <sub>DC</sub>        |
| Max. DC input Isc current          |       | 36 A <sub>DC</sub>                                            | 36 A <sub>DC</sub>        |
| Output data (AC)                   |       |                                                               |                           |
| Max. continuous output power (CEC) |       | 6400 W                                                        | 7600 W                    |
| Max. over-current protection       |       | 50 A                                                          | 50 A                      |
| Max. continuous current            | 240 V | 27 A <sub>AC</sub>                                            | 32 A <sub>AC</sub>        |
|                                    | 208 V | 31 A <sub>AC</sub>                                            | 37 A <sub>AC</sub>        |
|                                    | 220 V | 30 A <sub>AC</sub>                                            | 35 A <sub>AC</sub>        |
| 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)                                        |                           |
| Maximum efficiency                 | 240 V | 97.2%                                                         | 97.1%                     |
|                                    | 208 V | 96.9%                                                         | 97.0%                     |
| CEC rated efficiency               |       | 96.5%                                                         | 96.5%                     |
| Additional data                    |       |                                                               |                           |
| DC disconnect ratings              |       | 600 V, 4 x 16 A                                               |                           |
| Cooling                            |       | True convection - ultimate reliability, with assist fan       |                           |
| DC reverse polarity protection     |       | Yes                                                           |                           |
| Ground fault protection            |       | Integrated residual current detector                          |                           |
| Grounding                          |       | Ungrounded, transformerless inverter                          |                           |
| Visual displays                    |       | Backlit LCD w/ convenient night switch & push button controls |                           |
| Included accessory interfaces      |       | easyLink RS485 & SymBus (Ethernet optional)                   |                           |
| Ambient temp @ max AC power        |       | -4°F – +104°F    (-20°C – + 40°C)                             |                           |
| Ambient operating temp             |       | -4°F – +140°F    (-20°C – + 60°C)                             |                           |
| Thermal protection                 |       | Yes                                                           |                           |
| Noise emissions                    |       | < 45 dB (near silent operation)                               |                           |
| Night power consumption            |       | 208V: 0.26W, 240V: 0.36W                                      |                           |
| Warranty                           |       | Standard easySwap 10 years                                    |                           |
| Certifications                     |       |                                                               |                           |
| Safety compliance                  |       | UL 1741, IEEE 1547, NEC, CSA 22.2 No.107.1-01                 |                           |



### Mechanical Specifications

| Model     | Height (H)           | Width (W)       | Depth (D)          | Weight         |
|-----------|----------------------|-----------------|--------------------|----------------|
| 7600xi    | 44 1/8 in. (1121 mm) | 14 in. (356 mm) | 8 7/8 in. (226 mm) | 95 lbs (43 kg) |
| 6400xi    | 44 1/8 in. (1121 mm) | 14 in. (356 mm) | 8 7/8 in. (226 mm) | 95 lbs (43 kg) |
| Enclosure |                      | NEMA 3R         |                    |                |

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