

K A C O 



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

**easy**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.

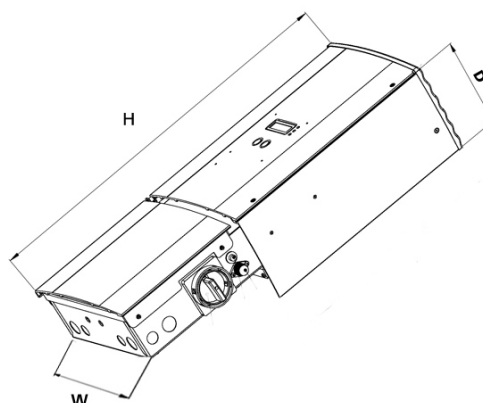
### KACO guarantee:

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.

| Model number                          | blueplanet 6400xi |   | blueplanet 7600xi         |
|---------------------------------------|-------------------|---|---------------------------|
| <b>Input data (DC)</b>                |                   |   |                           |
| 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 I <sub>sc</sub> current |                   | 36 A <sub>DC</sub>  | 36 A <sub>DC</sub>        |
| <b>Output data (AC)</b>               |                   |   |                           |
| 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%                     |
| <b>Additional data</b>                |                   |   |                           |
| 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                                    |                           |
| <b>Certifications</b>                 |                   |   |                           |
| 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              |                 |                    |                |