



KACO blueplanet 2502xi

grid-tied inverter

- Highest efficiency in its class - over 95.5%
- Programmable LCD display with night switch
- Plug and play web monitoring option
- Integrated and lockable AC/DC disconnect included
- Field selectable grid voltage (240 / 208 V_{AC})
- Field selectable positive or negative grounding
- Convection cooled aluminum housing - high reliability
- NEMA 3R enclosure - for indoor or outdoor installation
- 1/2" or 3/4" knockouts on sides, bottom & rear of unit
- **easy**Install light weight single penetration installation
- **easy**Link data interface includes RS485 connection
- **easy**Swap 10 year warranty with service reimbursement



new energy.



The KACO 02xi series represents the latest generation of PV inverters.

- The units come pre-assembled to a connection box including an NEC compliant AC/DC disconnect switch. The inverter can be easily removed from the connection box. The connection box allows conduit to connect from both sides, the bottom or the rear for increased installation flexibility. Using the rear knockouts will hide all conduits for a clean install.
- Installation is as simple as mounting a "T" bracket to the wall and hanging the inverter. The inverter is lightweight and easy to lift onto the bracket.
- The CEC efficiency has been increased to 95.5%. The internal electronic design has been simplified and made more reliable using the latest generation of Digital Control technology.
- Field selectable grid voltages 240 / 208 V_{AC} with or without neutral sensing and field selectable positive or negative grounding simplify installs.
- Conveniently monitor your PV system with our integrated plug and play web monitoring option.

Distributed by:

Model number	blueplanet 2502xi	
Input data (DC)	240 V _{AC}	208 V _{AC}
Max. DC power	3 kW _P	3 kW _P
MPP range	200 - 450 V _{DC}	200 - 450 V _{DC}
Max. DC input voltage	550 V _{DC}	550 V _{DC}
Max. array short circuit current	13 A _{DC}	13 A _{DC}
Output data (AC)		
CEC continuous AC output @ 40°C	2500 W	2500 W
UL continuous AC output @ 25°C	2500 W	2500 W
Max. utility backfeed current	0 A _{AC}	0 A _{AC}
Power Factor	1	1
Max. output current	12.5 A _{AC}	12.5 A _{AC}
AC operating voltage range	240 V (211 – 264 V)	208 V (184 – 226 V)
Frequency	60 Hz (59.3 – 60.5 Hz)	60 Hz (59.3 – 60.5 Hz)
Max. efficiency	95.9 %	95.6 %
CEC rated efficiency	95.5 %	95 %
Additional data		
AC/DC disconnect	Integrated AC/DC disconnect (fully integrated and removable)	
Cooling	Ultimate reliability - True convection	
Connections	AC & DC connections with screw compression terminals	
DC reverse polarity protection	YES	
Ground fault protection	YES - internal GFDI	
Grounding	Positive or Negative	
Visual displays	Backlit LCD display 2x16 characters - with night switch	
Included accessory interfaces	easyLink RS485 - S ₀ interface for large displays	
Islanding protection	Active anti islanding	
Operating temperature (full power)	-5°F - +104°F	-20°C - + 40°C
Temperature protection	YES - power de-rating and shut down (above 158°F)	
Wiring concept	Electrically isolated DC/DC converter with downstream inverter	
Noise emissions	< 35 dB (silent operation)	
Power Consumption	Night - 0.3 W, Standby < 5W	
Warranty	Standard - 10 years	
Certifications		
Safety compliance	UL 1741, IEEE 1547, NEC 690, CSA 22.2 No. 107-1	
Communications compliance	FCC Part 15 Class B	
Specifications		
Enclosure type	NEMA 3R / IP 54	
Dimensions	31 15/16" x 13 15/16" x 8 3/16"	
Weight	52 lbs	



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