



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.

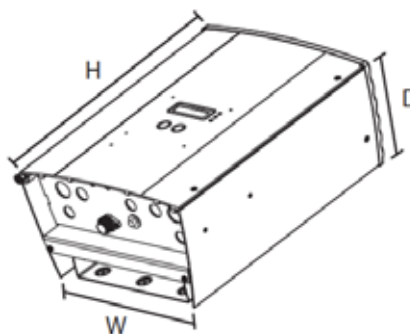
10 years standard warranty:

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			