KACO BLUEPLANET 02X LITE SERIES WHEN $ PER WATT MATTERS.

1502x | 2502x | 3502x | 5002x

KACO new energy.

INCREASE MARGINS WITH THE MOST AFFORDABLE GRID TIED INVERTER SERIES AVAILABLE.

TÜV Rheinland®

COMPLIANT WITH UL 1741, IEEE 1547, CSA 22.2

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: Designed for max. ROI: KACO inverters wake up earlier and work longer than the competition.

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: Multiple knockouts: Use the same inverter in 208V, 220V or 240V grid settings.
Multimple 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 4 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.

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MONITORING.

- **KACO proLOG:**
Monitor up to 32 inverters as well as multiple sensors.
- **KACO watchDOG:**
Optional 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.*

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:** 02x 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		1502X	2502X	3502X	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}		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}	24 A_{AC}
	208 V	8 A_{AC}	12.5 A_{AC}	17 A_{AC}	24 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%	95.5%
	208 V	95%	95%	95.5%	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			

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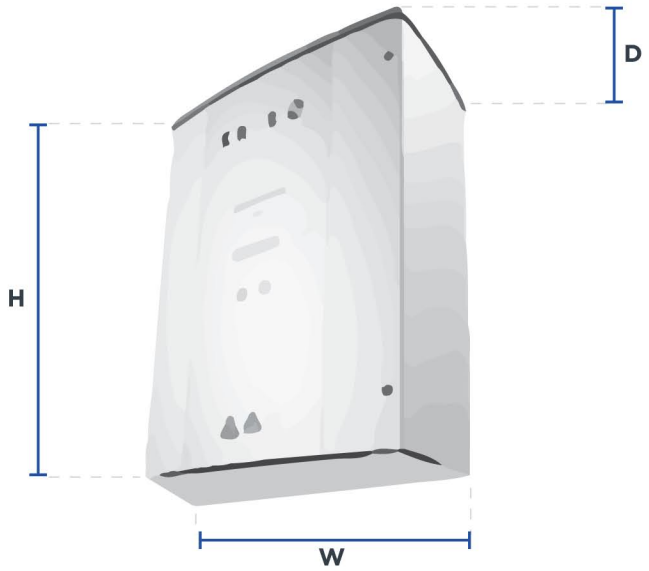
MODEL NUMBER	1502X	2502X	3502X	5002X
Additional data				
Safety compliance	UL 1741, IEEE 1547, NEC, CSA 22.2 No.107.1-01			
Communications compliance	FCC Part 15 Class B			

- 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 (355 mm)	9 1/4 in. (241 mm)	59 lbs (26.8 kg)
5002x	23 3/4 in (603 mm)	14 in (355 mm)	9 1/4 in. (241 mm)	59 lbs (26.8 kg)
Enclosure	NEMA 3R			

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