



Reduce regular mounting time,  
 Reduce manpower needed,  
 Reduce transportation costs!

Generate higher yields,  
 Generate higher ROI!



1502xi  
 2502xi  
 3502xi  
 5002xi

# The Features and Benefits of the KACO blueplanet 02xi inverter solution

## Performance

High efficiency:	95.5% CEC efficiency on all 02xi 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 T-bracket:	Minimizes mounting process to approximately 15 minutes
Lockable DC/AC disconnect:	Save up to \$150 with the pre-wired & separable integrated disconnects
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
Light 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

## 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
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 miswiring 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:	Internal monitoring card decreases costs and increases reliability
Integrated RS485 card:	Save over \$200 compared to some competitors
Integrated night switch:	Activates inverter display even after the PV system has shut down
Integrated inverter display:	Easy to use push-button interface to configure the inverter and access stored PV system data on LCD screen
blueplanet web:	Free monitoring option for residential systems up to 10kW

## Warranty

KACO easySWAP policy:	No hassle inverter exchange policy is linked to serial number not original owner No paperwork necessary
Reimbursement policy:	KACO's \$150 warranty service reimbursement is among the best in the industry
KACO guarantee:	blueplanet 02xi series inverter repairs after warranty will never be more than \$550
10 years standard warranty:	Warranties are only as valuable as the strength and longevity of the manufacturer

**KACO is one of the few established inverter companies older than the warranties they offer**

		Solectria PVI 5000	PV Powered PVP 5200	Fronius IG Plus 5.0	SMA SB5000
<b>Electrical</b>					
MPP tracking range	✔ 200 - 510 V	✔ 200-550 V	✘ 240 - 450 V	✘ 230 - 500 V	✘ 250 - 480 V
Start-up voltage	✔ 200 V	⚡ 235 V	✘ 255 V	⚡ 230 V	✘ 300 V
Available grid voltages	✔ 208 / 240 / 220	✘ 208 / 240	✘ 240	✔ 208 / 240 / 277	✔ 208 / 240 / 277
CEC efficiency	⚡ 95.5%	✔ 96%	✔ 96%	⚡ 95.5%	⚡ 95.5%
<b>Mechanical</b>					
Dimension (HxWxD)	✔ 36 x 14 x 9.5 in.	✔ 30 x 18 x 8 in.	✘ 35 x 18 x 9 in.	✘ 36 x 17 x 10 in.	✘ 18.5 x 24 x 9 in. (without disc.)
Weight	✔ 70 lbs.	✔ 58.5 lbs	✘ 162 lbs	⚡ 83 lbs	✘ 141 lbs.
Enclosure rating	✔ NEMA 3R	✔ NEMA 3R	✔ NEMA 3R	✔ NEMA 3R	✔ NEMA 3R
Cooling method	✔ Convection	✔ Convection	✔ Convection	✘ Fan	✘ Fan
Disconnects	✔ AC/DC standard	⚡ DC standard	⚡ AC/DC optional	⚡ DC standard	⚡ DC standard
<b>Additional</b>					
Standard ports	✔ integrated RS485	✔ integrated RS485	✘ RS485 extra cost option	✘ RS485 extra cost option	✘ RS485 extra cost option
Internal monitor option	✔ watchDOG monitoring	✘ Solren Gateway	✘ Gateway	✘ Fronius data logger	✘ SB web box
Mounting	✔ ~ 15 minutes	✔ ~ 15 minutes	✔ ~ 15 minutes	✘ ~ 30 minutes	✘ ~ 40 minutes
Wiring	✔ prewired AC/DC disconnect	⚡ prewired DC disconnect	✔ prewired AC/DC disconnect	⚡ prewired DC disconnect	✘ disconnect assembly onsite
Labor	✔ one person	✔ one person	✘ two people	✘ two people	✘ two people