



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

easy install 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 2.5GW 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 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 is one of the few established inverter companies older than the warranties they offer

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 \$500
10 years standard warranty:	Warranties are only as valuable as the strength and longevity of the manufacturer

Side by Side		KACO 5002xi	Solectria PVI 5000	PV Powered PVP 5200	Fronius IG Plus 5.0	SMA SB5000
Electrical	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	✗ 208 / 240	✓ 208 / 240 / 277	✓ 208 / 240 / 277
	CEC efficiency	⚡ 95.5%	✓ 96%	✓ 96%	⚡ 95.5%	⚡ 95.5%
Mechanical	Dimension (HxWxD)	✓ 36 x 14 x 9.5 in.	✓ 30 x 18 x 8 in.	✗ 35 x 18 x 8 in.	✗ 36 x 17 x 10 in.	✗ 18 x 24 x 10 in. (without disc.)
	Weight	✓ 70 lbs.	✓ 60 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
Additional	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