



KACO blueplanet XP 100U

grid-tied inverter

- High efficiency - over 96%
- Interactive graphical TFT touch screen
- Increased energy yield with advanced MPPT capable of reacting to dynamic weather fluctuations
- Redundant control / fan power supplies
- JAVA enabled web monitoring
- SD card data storage (up to 8GB)
- Variable speed fan with low noise output and increased power savings - ultimate longevity
- NEMA 3R enclosure - for indoor or outdoor installation
- **easyLink** data interface - ethernet and RS485 connections
- 5 year warranty & service reimbursement

*tested to UL 1741, IEEE 1547, CSA 22.2



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The KACO XP 100 kW - the most advanced central inverter in the USA.

- The KACO XP 100kW has integrated the most useful graphical user interface available on the market today. The user friendly TFT touch screen streamlines inverter commissioning, and provides access to inverter data with clear graphical images.
- The inverter has been sized to fit through most standard double door openings for convenient indoor installation.
- KACO's advanced pulse width modulation algorithms are programmed into the inverter to ensure Maximum Yield Power Point Tracking that is precise and produces more kWh annually.
- The variable speed fan increases PV system performance and ensures less power wasting due to unnecessary cooling.
- The redundant power supplies to the fans and the control boards remove the possibility of single point failures ensuring steady energy yield and high reliability.
- Each XP 100 kW inverter has a built in web server which is easily accessible by service personnel or KACO service reps via the XP Java browser interface making remote software updates possible - standard on all units.

Download the KACO calc string sizing tool from www.kaco-newenergy.com.

Distributed by: _____

Model number	blueplanet XP 100U-H2	blueplanet XP 100U-H4
Input data (DC)		
DC operating range (MPP)	300 - 600 V _{dc}	
Max. DC input voltage	600 V _{dc}	
Max. DC input Isc current	410 A _{dc}	
Output data (AC)		
Max. continuous output power (CEC)	100 kW	
Max. continuous output current	278 A _{ac}	120 A _{ac}
Max. overcurrent protection	400 A _{ac}	150 A _{ac}
Max. output fault current	278 A _{ac}	121 A _{ac}
AC operating voltage	208 Vac 3-Phase Wye	480 Vac 3-Phase Wye
Frequency	60 Hz	
CEC rated efficiency	95.5 %	96 %
Additional data		
AC/DC disconnect	Yes	
Cooling	Variable speed cooling fans	
DC reverse polarity protection	Yes	
Ground fault protection	Integrated ground fault detector/interrupter (GFDI)	
Grounding	Negative Ground (Optional Positive Ground configuration)	
Visual displays	TFT - Graphical LCD with touch screen interface	
Included accessory interfaces	easyLink RS232 / RS485 / Ethernet	
Ambient temp @ max AC power	-5°F - +122°F	-20°C - + 50°C
Thermal protection	YES	
Noise emissions	< 65 dB	
Relative humidity range	0-95% (non condensing)	
Max. altitude	6600' (2000 m)	
Power Consumption	< 60.4 W (during standby and at night)	
User programmable inputs	1 digital inputs / 4 analog inputs	
Warranty	Standard 5 years (10, 15, 20 years extensions available)	
Certifications		
Safety compliance	UL 1741, IEEE 1547, NEC	
Communications compliance	FCC Part 15 Class A	
Specifications		
Enclosure type	NEMA 3R	
Dimensions	73 x 68 x 37 in. (1840 x 1724 x 930 mm: H, W, D)	
Weight	2,646 lbs (1200kg)	2,425 lbs (1100kg)



KACO user interface (MMI)

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T: +1 (866) 522 6765 • F: +1 (415) 931 1688
 kacoinfo@kaco-newenergy.com • www.kaco-newenergy.com