



News Release

For release: July 9th, 2010

SAN FRANCISCO, Calif. — KACO new energy announces new transformerless PV inverters to be made available to the US market.

KACO new energy - the world's second largest inverter manufacturer; with over 2GW of PV inverters in the field to date announce plan to launch transformerless versions of the blueplanet inverter line for the Americas.

The KACO transformerless (TL) blueplanet inverters in power classes of 6400 watts and 7600 watts are on their way to the USA. The National Electric Code, Article 690 (NEC 690.35) was amended to allow for ungrounded PV arrays therefore enabling the use of these phenomenal machines. KACO is a leader in transformerless inverters throughout Europe and will steer the US industry with innovative TL products as well. Not only will these products offer enhanced CEC efficiency numbers they will also help PV systems all over the Americas produce more kWhs than ever before.

In the meantime, read on for more preliminary information about the KACO approach, the TL features and other important facts about TL inverters. In the KACO approach to TL inverter design, low component count is paramount to increase reliability. Some transformerless (non-isolated) inverters use a boost converter. These approaches offer the same reliability as a traditional galvanically isolated inverter. The KACO approach has higher overall efficiency due to the use of only a single stage conversion. Isolated and non-isolated topography with boost converters result in lower efficiency due to more conversion stages which will reduce the kWh yield performance. TL inverters are completely non grounded on the DC input circuit and this poses new challenges for US based installations. However, KACO engineers have had over a decade of experience with this technology overseas and will lead conversations about how to work with this technology correctly. Watch the KACO website and other media venues for more information about this exciting new technology.

TL inverter benefits:

- Light weight (low weight to power ratio)
- Code compliant finger safe and water tight pre-assembled DC disconnect
- Knockouts on bottom, sides, and rear of disconnect switch housing
- NEMA 3R enclosures perfect for outdoor or indoor installation
- State of the art quality control
- Reduced component count for maximum life span
- Convection cooled with variable speed fan assist for higher reliability
- Standard 10 year warranty backed by KACO - the world's leading inverter manufacturer
- Configured for use with nearly all DC to DC maximization technology for ease of use with all options available in the market providing maximum flexibility and choice to the customer
- Single stage power conversion to reduce component count and costs
- Minimize shading effects and increase yield

Want to know more? Visit the KACO booth at the Intersolar show at the Moscone Center on July 13th – 15th booth # 7159. Stay tuned and visit KACO's booth at the Solar Power show in Anaheim October 12th - 14th booth #1501 where KACO will have final specifications for distribution and final delivery dates.

KACO NEW ENERGY USA announces planned arrival of transformerless units

ABOUT KACO:

A powerful partner for PV system solutions, KACO new energy has built a tradition of excellence in the photovoltaic inverter and power electronics industries. Our German-based factory engineers have been developing, designing and manufacturing current inverters and power electronics for more than 60 years.

The KACO blueplanet product family has set new standards in photovoltaic applications - particularly in reliability, efficiency, power density, and patented technology to meet NEC requirements. As the heart of your photovoltaic installation, your KACO inverter pumps electricity into the public grid continuously and efficiently. The efficiency of the KACO blueplanet inverters will earn you money and a solid return on your solar investment. Additional information about KACO is available at www.kaco-newenergy.com.

Kaco new energy – A World Leader in PV Inverter Technology

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