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VINCOTECH ROLLS OUT BASE-PLATED *FLOW* E3BP HOUSING FOR NEXT-GEN SYSTEMS

-- Thermal performance & power density maximized for tomorrow's renewable applications --

***Unterhaching, Germany, January 30, 2025.* Vincotech, a supplier of module-based solutions for power electronics, today announced the release of *flow* E3BP, an advancement of the company's widely adopted *flow* 2 and *flow* E3 housing. Engineered to meet the increasingly challenging requirements for next-gen systems, the *flow* E3BP is the next step up the evolutionary ladder in power module technology across applications.**

Designed to boost thermal performance and maximize power density, this advanced housing is the go-to option for high-power systems and next-generation applications. Featuring a specially treated surface, its convex baseplate provides a superior thermal contact to better disperse heat and handle more power with a smaller footprint.

The module's CTI600 housing material holds up well to higher system voltages. Its isolation walls increase creepage and clearance distances. Pre-applied thermal interface material is optionally available, as are Press-fit pins. Rolling efficiency, reliability, and innovation into one exceptionally useful housing, the new *flow* E3BP meets demand for faster time to market, higher power ratings, and greater power density. An excellent fit for many different applications, it marks another stride towards a more sustainable future.

New products featuring *flow* E3BP for renewable energy applications

Developed with the increasingly challenging demands of renewable energy systems in mind, the *flow* E3BP is a remarkably efficient power module. Among others, it enables customers to design 350+ kW utility string PV inverters with just a single housing per phase, cutting 30% of the cost for a dual-module solution. It also serves to reduce the heatsink area by as much as 34% compared to

flow E3, thereby increasing power density to 51%. Chosen for its low inductivity, the new *flow* E3BP figures prominently in solar and ESS inverters for the utility and commercial segments. Today's *flow* E3BP housing meets tomorrow's 2000 V systems' high voltage requirements, and the company aims to extend this product portfolio to address further applications such as motion control, industrial drives, and EV charging stations.

Expanding housing range to meet evolving market demands

Determined to enable customers to bring their ideas to life, Vincotech continues to develop its range of power module housings, which now encompasses 24 options rated from less than 10 kW up to MW. The *flow* 2, *flow* S3, and *flow* E3 housings see wide use in solar and ESS applications. The latest addition to the line, the leading-edge *flow* E3BP, supports beyond 350 kW and pushes the envelope for PV and ESS solutions.

To find products equipped with *flow* E3BP housings, please visit:

<https://www.vincotech.com/products/by-housing/housing/flow-e3bp.html>

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ABOUT VINCOTECH

Vincotech, a Mitsubishi Electric Corporation company, designs and manufactures electronic power components. A global market leader in power semiconductor modules, Vincotech understands customers' needs and delivers both off-the-shelf and made-to-order solutions to meet their demands for motion control, renewable energy, and power supply use cases. The enterprise's corporate philosophy and strategy are rooted in the conviction that sustainable technologies are the answer to many of the challenges posed by global megatrends. Capitalizing on the 900-strong global workforce's stellar electronic engineering and integration skills, Vincotech empowers customers to develop clean, efficient and affordable solutions. Everything the company does is done with the future in mind, to customers' best benefit, and in keeping with its corporate motto, "Fast and Flexible."

To learn more about Vincotech, please visit www.vincotech.com

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