



**FOR IMMEDIATE RELEASE**

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**VINCOTECH'S NEW THREE-LEVEL TOPOLOGY FOR SOLAR APPLICATIONS**

-- *flowPACK 1 H6.5 – the choice alternative for highly efficient, single-phase solar inverters* --

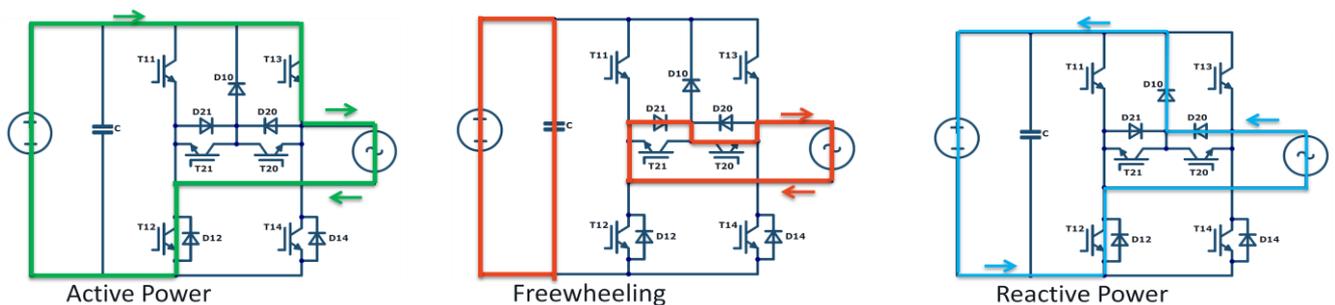
**Unterhaching, Germany, May 10, 2016:** Vincotech, a supplier of module-based solutions for power electronics, today announced the release of a new line of three-level power modules engineered to achieve highest efficiency for single-phase solar inverters, even at reactive power. Packaged in the most compact *flow 1* housing, *flowPACK 1 H6.5* combines excellent performance with remarkable cost efficiency.

Size and cost are key concerns for single-phase solar inverters. On top of that, they demand a level of efficiency that the conventional H-bridge topology cannot deliver in freewheeling mode. They need a solution with a dynamic short in the output that enables energy to circulate without losses, and without charging back the input supply.

The *flowPACK 1 H6.5* is designed with size, cost and efficiency in mind, making it solution of choice for single-phase solar inverters. The schematics below illustrate how this special topology works:



*flowPACK 1 H6.5*

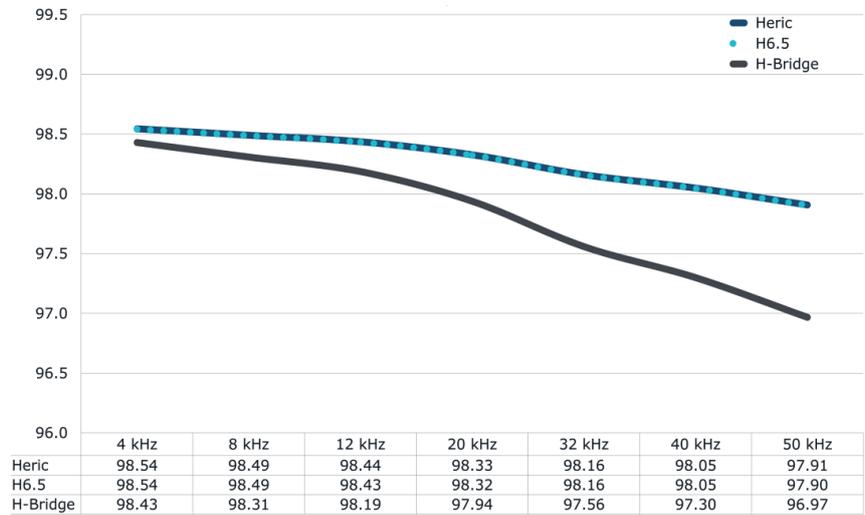


The patented Heric inverter serves as the benchmark for comparison. The measurements below indicate VIN H6.5's efficiency in contrast to that of Heric and simple H-bridge single-phase solar

inverters under typical operating conditions.

### Efficiency vs. Frequency (%)

$$I_{out} = 22.5 - pf = 0.8$$



The new full-bridge *flow*PACK 1 H6.5 module comes in a compact, low inductive *flow* 1 housing and covers 3 to 6 kW applications ranging up to 50 kHz.

Samples may be sourced on demand from our usual channels as of July 2016.

To see Vincotech’s entire range of power modules, please visit:

<http://www.vincotech.com/products/by-topologies.html>

*Vincotech is a registered trademark of Vincotech Holdings S.à.r.l.*

### ABOUT VINCOTECH

Vincotech – an affiliated company within the Mitsubishi Electric Corporation – develops and manufactures subsystems and electronic components and provides manufacturing services that help customers master complex challenges in electronics integration. Vincotech’s extensive portfolio encompasses standard and tailored solutions, engineering services, and technical support for customers worldwide. These products and services contribute to sustainable, environmentally sound solutions that help modern society embrace mega-trends and explore new avenues.

With approximately 500 employees worldwide, backed by vast experience and a long history in electronics integration, Vincotech leverages these assets to help customers achieve maximum market success.

To learn more about Vincotech, please visit [www.vincotech.com](http://www.vincotech.com).

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