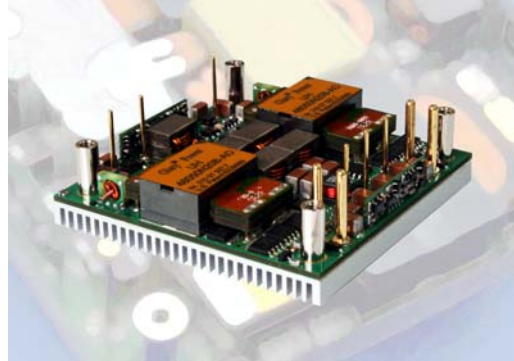# Glary Releases Ultra 1/2 Brick Series with 800W Output Power

With maximum 800W delivered power and 92% of conversion efficiency, Glary Power Technology has now announced the UH series -- Ultra High Power Half Brick module as a further technology revolution in power industry. The series is designed with even simpler construction for much more efficient mass production, which results in more effective TCO & TLO management, and with Glary's patented Buck-Reset topology it is demonstrated with the unique single board single side component structure. The integrated Sink-Plate design also helps the power module to get the best thermal performance and to deliver high power under extreme environmental conditions.

The ultra high power density of 298W/in^3 and high efficiency performance of this series offers up to 50% of space saving for power circuit area on the customer's system board, and even with severe cooling requirements such as in RF amplifier applications it would still work with high reliability. "UH800 series has proudly demonstrated the world's highest delivered power design in such a small package," commented Mr. Ming Ching Chou, Chairman and CTO of Glary Power Technology: "and with its industrial standard pin layout and footprint design, the system designers could easily upgrade their system performance by simply using this brick as a drop in replacement. UH800 series can surely support the latest mobile communication station requirements with very high efficiency across the entire 36V~75V input range."

Other features include 2.0KVdc isolation rating between primary to secondary that is designed to meet international safeties including EN60950 and CSA/UL60950, full protection functions such as OVP, OTP, OCP, and input UVLO. Output voltage trim function is also available and enables the output to be adjusted between 90% and 110% of nominal.

The UH48280N20B-29 module, as an example, is now priced at $112 each for 1K pcs volume with typical lead-time of 8 weeks.

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