



For Immediate Release
john.carroll@power-one.com

Editorial Contact: John Carroll
978.794.5146

AC-DC Front-End Reduces Power Consumption in Server, Telecom, and Datacom Applications

Data sheet link: http://www.power-one.com/resources/products/datasheet/fnp1500_12.pdf

Camarillo, CA – July 24th, 2006 – Power-One, Inc. (Nasdaq: PWER) introduces the FNP1500-12G AC-DC front-end; designed to reduce host-system power consumption by combining 90% efficiency with an output that is I²C programmable from 7-13VDC. This wide adjustment range enables users to select a bus voltage that minimizes their system-specific I²R distribution losses and increases the efficiencies of downstream bricks and point-of-load converters. I²C adjustability provides the option to dynamically optimize the bus voltage in response to changing line and load conditions.

Additional I²C-interface capabilities include enabling the output, controlling internal fan speed, and setting the output current limit. Power supply management is also accomplished via front-mounted LED status indicators and a comprehensive range of logic signals. This hot-swap product incorporates internal ORing diodes and features an 85-264V input range, six-substance RoHS compliance, and a one-amp 12VDC standby output. Protections include: output overvoltage, output overcurrent, and overtemperature.

An industry-leading power density of 15.2 W/in³ enables delivery of 126 amps from an ultra-compact 1.6" x 5.6" x 11" (40.5 x 141.2 x 279.4mm) package. Three FNP1500-12G front ends can be configured to provide 378 amps (4536 watts) from a 19-inch shelf. Please consult factory for shelf availability. Pricing is \$263 each in OEM quantities. Evaluation models are usually available from stock. Production quantities are typically available in six to eight weeks.

Power-One products power high-availability infrastructure applications such as: routers, data storage and servers, wireless communications, optical networking, medical diagnostic, railway controls, and semiconductor test equipment. Power-One, with headquarters in Camarillo, CA, has global sales offices and manufacturing and R&D operations in China, the Dominican Republic, Ireland, Slovakia, Switzerland, and the United States. Please visit www.power-one.com for more information.

Power-One products are not designed, intended for use in, or authorized for use as critical components in life support systems, equipment used in hazardous environments, or nuclear control systems without the express written consent of the respective divisional president of Power-One, Inc. The appearance of products, including safety agency certifications pictured on labels, may change depending on the date manufactured. Specifications are subject to change without notice.