

Martek Power Raises Bar for High Density Intermediate Bus Voltage, AC Front End

Torrance (CA), March 15, 2005 - Market Power unveiled the new, high density, 12 VDC output AC Front End; the AP1200 series. Delivering up to 100 amps at 12 VDC across the full AC input range of 90-265 VAC in a compact 1U X 2U format; the new AP1200 establishes a new industry record for high density AC Front Ends. Measuring just 3.4" X 1.7" X 13.0" these modules top over 16 watts per cubic inch and allow up to 5 modules to be mounted in a standard 19" rack for an unprecedented 6000 watts in a 1U high profile. This unparalleled power density in a 12 volt Front End is achieved through an innovative thermal management scheme and converter efficiencies up to 88%.

"There are several companies introducing high density Front Ends but they are mostly 48 VDC output products. We wanted to target the emerging 12 volt, intermediate bus users" commented Bill Standen, Vice President of Marketing & Sales for Martek Power. "The combination of high power density and high output current made the development of the AP1200 quite challenging" he added "but we are very excited to offer such a high performance, standard product". Ideally suited for server and core network applications these feature rich front ends offer Power Factor Correction, N+1 redundancy, hot swap capability and I2C bus logic for system integration and communication. Protection features include input over voltage, output over voltage, over temperature and over current with remote enable, AC good and fault indicators.

The AP1200 is priced at \$250 in OEM quantities with deliveries from stock to 12 weeks.

With over 40 years of experience, Martek Power is a dedicated developer and manufacturer of standard and custom power supplies for telecommunications, industrial, medical and military applications. For more information contact Martek Power at (310) 542-8561 or visit us at <http://www.martekpower.com>