

2500 Watt Front End / Rectifier Family offers industry-leading power density of 27W/in³

PowerGate is proud to release the Cherokee CAR2500 Family of +12V / +48 VDC Front Ends and -54 VDC Rectifiers offering 2.5kW of Power in an industry-leading high density package of only 14.25 x 4.00 x 1.65" with optional 4-Bay Rack for up to 10kW of power in a 19" / 1U profile.

With an unprecedented power density of 27W/in³ and an efficiency of 92 percent, the CAR2500 Family is the industry-leading front-end / rectifier power solution. An onboard microcontroller allows more accurate temperature, current, and voltage sensing while supporting interfaces such as I2C, PMBus, and Ethernet protocols. Measuring only 1.61 x 4.00 x 14.25", the CAR2500 Family operates on high line AC (180~264 VAC) and offers a standby voltage of either 3.3V or 5V at 1A. A thermally controlled fan enables -10 degrees Celsius (C) to +70C operation with a -40C startup. Additional features include hot-swap redundancy, active single-wire current sharing, output voltage programming, current readout, remote on/off and front plate LEDs. Protection features include input over and under voltage, output over voltage, over temperature and over current. A supporting power shelf offers scalability up to 10,000W with full hot-swap / redundant functions.

Small quantities are available from stock with a manufacturing lead time of 9 weeks typical. Complete specifications are available for download from <http://www.powergatellc.com/pdfs/CAR2512FP.pdf>. Standard 500 piece pricing is as low as \$685 for the power-modules & \$380 for the power-shelf. Contact PowerGate LLC, the authorized North America distributor for Cherokee International, for sales and technical support at sales@powergatellc.com or (866) 588-1750.

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Note to editors:

PowerGate LLC is a power solutions company providing inventory, logistical and technical support to customers throughout North America. PowerGate is dedicated to being the premier source for power products by providing superior customer service and technical support with flexible terms and inventory programs.

