



Empower RF Systems, Inc. Press Materials
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FOR IMMEDIATE RELEASE

500W HPA in 3U chassis available only from Empower RF Systems!

Empower RF Systems continues to leverage next generation hardware and software architecture and is proud to introduce the next series of the "size matters" portfolio - 500W in 3U chassis. This new PA family operates in the frequency ranges of 20 - 500 MHz (Model 2173), 500 - 1000 MHz (Model 2174) and 20 - 1000 MHz (Model 2175) with the output power guaranteed over full bandwidth and temperature. You won't find another HPA alternative in the marketplace that rivals our unique combination of package, size, weight and power, not to mention, an inventory program from a global distributor Richardson RFPD.



What is so special about these 500W systems? - They have all the features of the 1kW next generation platforms and offer further size reduction.

- **size, weight and power delivery.** 500W CW in a 3U chassis in this frequency range is unprecedented. Pulse applications in narrower bandwidths can also be addressed – pulse power up to 2 kW.
- **remote access user experience.** This revolutionary innovation of Empower's new generation software has the feature rich menu which includes not only the software update process, but also real time monitoring, protection and control, sensor driven dynamic adjustments to the amplifier while in operation, remote user access, and a selection of communications protocols that can be enabled by the end user during system set up. The software update capability can also be exercised via a "direct connect" link, if permitted by the customer, from Empower to the fielded amplifier via the amplifier's embedded web server.
- **utilizing high power LDMOS devices** that provide wide frequency response, high gain, high peak power capability and low intermodulation distortion.
- **configurable, universal power supply** [single phase, two phase, three phase]. It provides status and operating conditions for the modular power supplies that are integral to the HPA.
- **500W P3dB, minimum** – full bandwidth under all specified temperatures and environmentals [-10 to +50 C ambient temperature]
- **product line platform** - configurable without being custom.
- **minimal touch design**, which eliminates a number of manual manufacturing process steps – DME analysis and a full set of factory acceptance tests.

Consider the possibilities - smaller size, configuration and portability advantages, easier system integration and higher efficiency of "Size matters" systems significantly broaden their application capabilities within Test and Measurement, Electronic Warfare, Radar and Digital Communications markets.

Download [At A Glance](#)





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Empower RF Systems is a leader in power amplifier solutions targeted at four key markets - electronic attack, communications, radar, and test & measurement. Our products incorporate the latest semiconductor and power combining technologies and originate from an extensive library of "building block" designs. Solutions range from basic PA modules to multifunction PA assemblies with embedded, microprocessor controllers.

Visit Empower RF website:

<http://www.EmpowerRF.com>

CONTACT

Corporate Offices:

sales@empowerrf.com

<http://www.EmpowerRF.com>

Empower RF Systems, Inc.

316 W. Florence Avenue

Inglewood, CA 90301

P: +1 (310) 412-8100

F: +1 (310) 412-9232