

Power Solutions

Post Generation
to **Point of Use**



- **Military, Space, and Commercial Aerospace Power Solutions**
- **DC/DC and EMI Filter Components/Modules**
- **AC/DC and DC/DC Low Voltage Power Supplies**
- **High Power AC/DC and DC/DC Conversion**
- **Transformer Rectifier Units (TRUs)**
- **Power Management & Distribution Systems**
- **Battery Systems: Li-Ion, NiCad, and Lead Acid**
- **High Voltage CRT & Image Intensifier Power Supplies**
- **Transmitters and TWT Amplifiers**

Crane Aerospace & Electronics meets the evolving needs of aircraft avionics and electrical system manufacturers with power solutions that hit the mark for lower costs, lighter weight, and higher reliability. Our power products have proven performance in military/defense, aerospace, space and industrial applications. From standard power supplies to custom-designed power management and distribution systems, Crane Aerospace & Electronics has the expertise to deliver what you need.

Take a look at the power solutions described on the back of this flyer, then let us help you configure the ideal power solution for your application. Give us a call, email us or check out our web site at www.craneae.com.

Crane Aerospace & Electronics

Our companies are known for their technical strength, proven product reliability, innovative solutions and overall value. Each company is ISO9001/AS9100 certified and committed to Operational Excellence and world-class processes. From application engineering, through design and manufacturing, Crane Aerospace & Electronics offers a comprehensive approach to product specification, design certification and service. New electronic manufacturing capabilities enable us to offer build-to-print solutions for microelectronics, cards, sub-systems, and systems. So, whether you're looking for a standard or custom-designed power solution, Crane Aerospace & Electronics has the proven experience to deliver what you need.

You can also count on Crane Aerospace & Electronics companies for in-service support. The worldwide extensive product support program is backed by a high caliber staff accustomed to the needs of the airline industry.

It's all part of the added value you can expect when you bring together an experienced team.



Product Lines

Power Components/Modules: Our high reliability DC/DC converter and EMI filter modules have proven performance in military/defense, aerospace, space, medical and industrial applications. More than 1000 off-the-shelf high-reliability DC/DC power conversion products are available; most of them can be ordered online. In addition we also offer custom microelectronic packaging.

AC/DC and DC/DC Low Voltage Power Supplies: Our low voltage power supplies are the ultimate in power conversion reliability for your commercial or military display, avionic or vetronic applications. Units are available in custom, semi-custom and standard formats.

High Power AC/DC Conversion: Featuring high efficiency (to 98%) and high power quality, our high power AC/DC products are ideal for solid-state radar, regulated power distribution applications, and other avionic, vetronic, and shipboard applications.

Transformer Rectifier Units: Operating from 3-phase sources and sized from 1 to 200 kW, regulated and unregulated, and with efficiencies as high as 98%, our TRUs meet the increasingly stringent power quality requirements of major OEMs.

Battery Systems: We offer a complete range of proven solutions for APU start, standby and flight controls applications. Our battery chargers improve battery performance and reduce maintenance.

Power Distribution and Management Systems: We integrate standard power components into custom power system solutions that save volume, weight and cost, while increasing reliability.

High Voltage CRT and Image Intensifier Power Supplies: We offer the ultimate in reliable, miniature high voltage power supplies for heads up, heads down, and helmet CRT displays, image intensifier, and industrial HV applications. Models are available with output voltage up to 33kV.

Transmitter and TWT Amplifiers: We develop and manufacture a variety of airborne transmitters for multi-mode radar applications in SAR, ISAR, AEW, and Fire Control. TWT transmitters are well suited for Pulse Doppler and Pulse Compression operating modes.



Crane Aerospace & Electronics—Power Solutions www.craneae.com/power

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