

Power, Performance, Reliability

High Power Amplifier Solutions

For more than 30 years, CPC has designed High Power Solid State Amplifiers to meet and exceed system requirements that perform reliability in the most demanding environments. Deployed in military, aerospace, medical, scientific, and industrial applications, the amplifiers cover 10 kHz to 32 GHz with output powers that can exceed 100 kW. Solutions include module, chassis, and full rack form factors for easy integration. CPC Amps are built to a variety of standards and certifications assuring dependable operation.

Trusted by top DoD contractors and National Labs, CPC Amps range from low SWAP tactical modules to high-power rack mounted systems.

Standards and Certifications

- ISO9001:2015
- IEC60601-1
- UL Listed
- IPC-A-610
- ITAR Registered
- MIL-STD EMC & Environmental Compliance
- RoHS/Reach

Testing/Verification

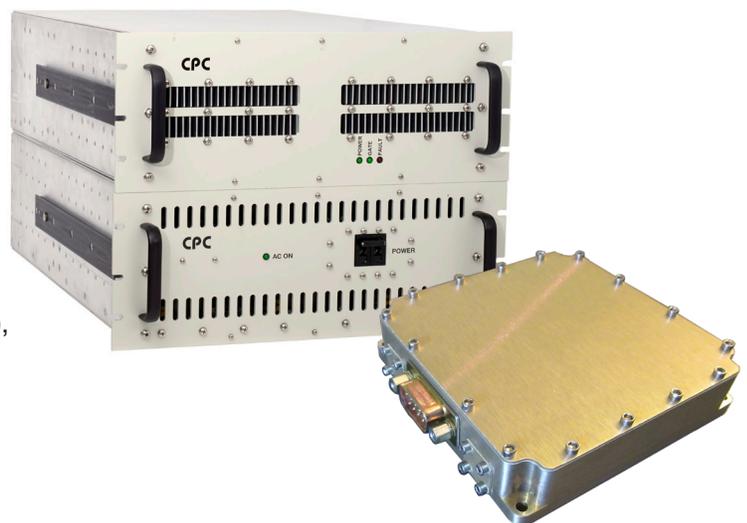
- Highly Accelerated Life Testing (HALT)
- Highly Accelerated Stress Screening (HASS)

Applications:

- **Military:** EW, Radar, Communications
 - Jamming, Decoy, Radar, Simulators, Test Ranges, Tactical Comms
 - Ground Fixed and Mobile, Airborne, Naval
- **Medical:** Magnetic Resonance Imaging (MRI), Tissue Ablation
- **Scientific:** Particle Accelerators, NMR Spectroscopy, Plasma Generators, Academic Labs
- **Industrial:** Microwave Heating, Fusion Generation

Capabilities:

- **Frequencies:** 10 kHz to 32 GHz
- **Output Power:** 10 W to >100 kW
- **High Gain:** 10 to >60 dB
- **Waveforms:** Compatible with AM, FM, CW, Advanced Digital Waveforms
- **Smart Interfaces:** Serial, Parallel, Ethernet, Custom
- **Form Factor:** Module, Chassis, Rack Mount
- **Precision Thermal Management:** Convection Cooled, Forced Air, Liquid Cooled, Heat Pipe
- **Proprietary Design Architecture:** Superior signal stability, linearity, and thermal control



For more information or a quote for your system, contact CPC today.

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