



Communication Power Corporation

8000W V/UHF-Band RF Amplifier AR-150-1000-8E3

Military/Avionics RF Amplifiers

Radar
Communication
Electronic Attack/Jamming
Test Equipment.

Medical RF Amplifiers

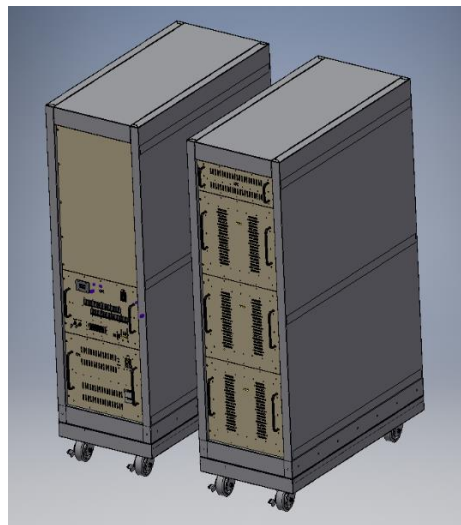
MRI
Sterilization

Scientific and Industrial RF Amplifier

Spectrum
RF Heating

Fusion Power RF Amplifiers

Linear Accelerators



- 150MHz to 1000MHz
- 8kW Peak minimum power
- 19 Inch Rack Subassemblies
- Internal Power Supplies
- Computer Control and Monitoring
- Forced Air Cooling
- Wide Temperature Range
- Circulator Protection
- RF Sample Port
- Front Panel Control and Fault Indicators

CPC's new line of rugged Solid State Power Amplifiers are custom designed specifically for CW/Pulse Radar, Medical, Scientific or Communication applications. These systems consist of single or multiple channels of matched amplifiers that are ideal for creating uniform transmitters to meet your specific power needs. Power levels are available from 1-50kW.

The model shown is a 8kW configuration for a Military Radar Test Range application.

CPC's has a full line of Solid State amplifiers from 100kHz to 3.5GHz, with power levels up to 150kW that can be customized to meet your requirements

Call, email or visit us online:

631.434.7306
Sales@cpcamps.com
www.cpcamps.com



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8000W U/VHF-Band RF Amplifier AR-150-1000-8E3

GENERAL SPECIFICATIONS

Parameter	Specification	Parameter	Specification
Frequency	150-1000MHz	Interface Conn	9-Pin D-Sub
RF Output	8kW Peak Min.	RF In	Type N Female
Pulse width:	650uSec max	RF Out	7/16 th EIA & Sample Type N (F) 2X
Duty Cycle	25% max	RF Sample ports	-69dBc FWD/REF
Modulation	Pulse Mode Only	Comm Interface	Over Voltage, Over Temp, VSWR
Rise Time	500nsec Typ	Operating Temp	-10 to + 40 C
Fall Time	500nsec Typ	Storage Temp	-40 to + 60 C
RF Input	0-10 dBm max	Cooling	Force Air
Gain	+69 dB nominal	Input Power	208VAC 3Ø 60Hz
Gain Flatness	+/- 4dB typical	Efficiency	30% Typical
Gain Stability	+/- 0.25dB per 15 min.	Size	2-Mobile Racks 23" W x 60"H x 45" L
Impedance	50 Ohms	Shock/Vib	Mil-Std-810D
Gating signal	TTL synchronous	Interface Conn	Ethernet
Blanked noise	20 dB over thermal		
Droop	10% typical		
Load VSWR	Full Reflection, any phase		
Operating Mode	Class AB		
Internal Circulator	Yes		

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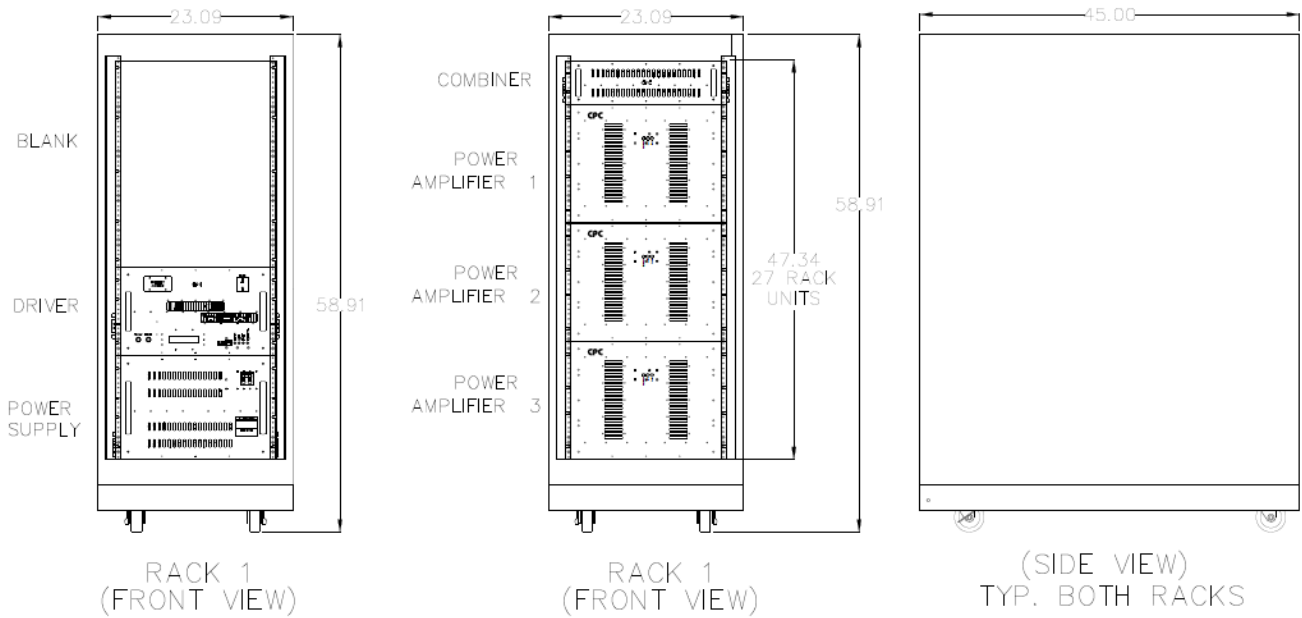


Figure 1 150-1000MHz, 8kW SSPA 2 Rack System