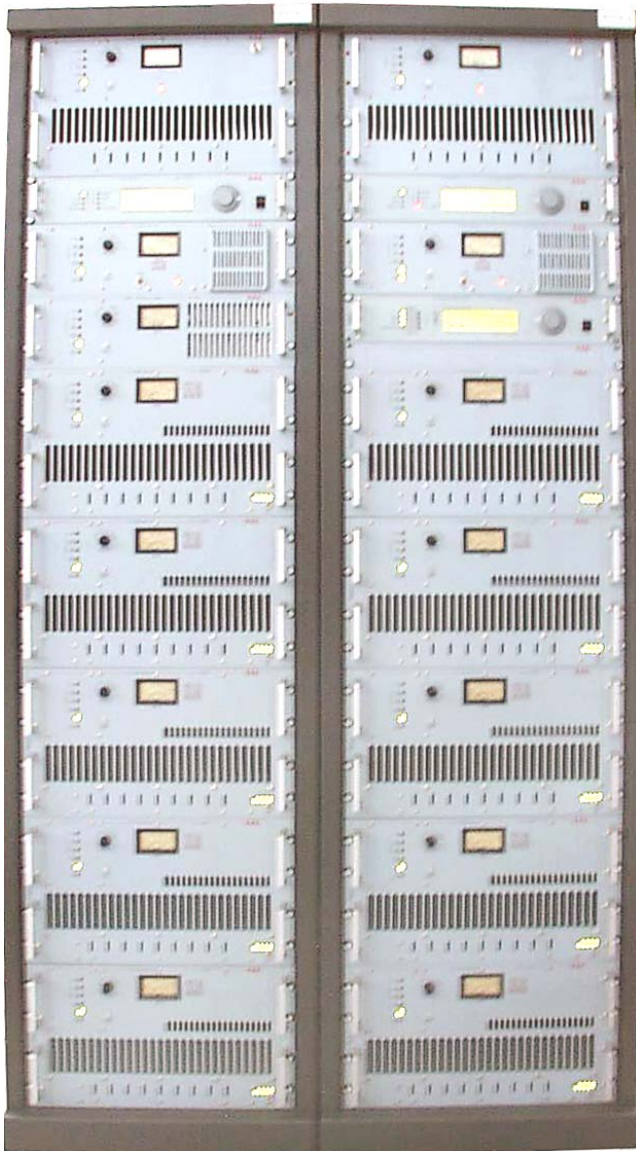


**FR 10000, FR 12000  
FR 15000, FR 20000***FM Broadband MOSFET  
Amplifiers / Transmitters*

FR 10000 shown

- Totally modular, composed of FR 1000 amplifiers
- State of the art combiner system
- Very high efficiency PA, typically capable of more than rated output power with relatively low input
- Automatic gain control providing fixed output power even in case of fluctuating drive power
- Modules coupled through a Wilkinson splitter and combiner realized through Strip-Line Technology
- High reliability and consistent performance standard achieved among the various units due to total absence of tuning requirements
- VSWR, excessive temperature and excessive drive power protection, with indicator lights
- Compact size with built-in high-efficiency switching power supply, providing easy access and an overload reset system with indicator lights
- Meets or exceeds all FCC & CCIR requirements
- Easily replaceable standard components
- Proportional Auto-Foldback of output power in the event of excessive VSWR
- Full remote control and telemetry capability, with all main parameters on rear terminal board

**Amplifiers' Technical Specifications**

(For audio specifications and features on Transmitter versions, pls. see Exciter pages. FR 10000 to FR 20000 Series Transmitters normally shipped with PT Series Exciters. Any other Bext Exciter available upon request).

<b>Frequency range:</b>	87.5-108 MHz (other frequencies on request)
<b>Rated Output Power:</b>	10kW (FR 10000) • 12kW (FR 12000) • 15kW (FR 15000) • 20kW (FR 20000)
<b>RF Output Connector/Impedance:</b>	1 5/8 (FR 10000) • 1 5/8 (FR 12000) • 1 5/8 (FR 15000) • 3 1/8 (FR 20000) / 50Ohm
<b>RF Input Connector / Impedance:</b>	Type "N" / 50 Ohm into RF Amplifier System
<b>Spurious &amp; Harmonic Suppression:</b>	Meets or exceeds all FCC and CCIR requirements
<b>AC Input power:</b>	198-250V, 50-60 Hz, Single or Three Phase (others available on request)
<b>RF Drive Required:</b>	220W (FR 10000) • 250W (FR 12000) • 300 W (FR 15000) • 450 W (FR 20000)
<b>Cabinet Dimensions:</b>	FR 10000 565 mm (22") W x 2150 mm (85") H x 860 mm D (34") x 2 Cabinets FR 12000 565 mm (22") W x 2150 mm (85") H x 860 mm D (34") x 3 Cabinets FR 15000 565 mm (22") W x 2150 mm (85") H x 860 mm D (34") x 4 Cabinets FR 20000 565 mm (22") W x 2150 mm (85") H x 860 mm D (34") x 5 Cabinets
<b>Weight:</b>	850 Kg (FR 10000) • 2310 lbs, 1050 Kg (FR 12000) • 2750 lbs, 1250 Kg (FR 15000) • 3740 lbs, 1700 Kg (FR 20000)
<b>Ambient Temperature Range:</b>	0° C to 45° C (32° F to 113° F)
<b>Maximum Humidity</b>	90%, non-condensing