

FM2500B

2.5KW Solid State FM Amplifier



The FM-2500B is Armstrong's compact, solid state 2.5KW FM amplifier. This microprocessor controlled broadband amp, when coupled with our FMX-30B exciter is the top contender as a main transmitter or a back up.

Two of our robust high efficiency power supplies can easily power the amplifier to full RF power but, our conservative design shares the load of powering the eight RF modules between three power supplies. Armstrong uses this 2.5KW workhorse as the primary building block in our "B" Series of Medium Power Solid State FM Transmitters

Features

- Rugged Compact Design Field Proven in the world's worst environments by the US Military
- Microprocessor Controlled Broadband RF Amplifier
- LCD display of all system parameters
- Self regulating, high efficient power
- Automatic Power Factor Correction
- VSWR Foldback and Protection
- Automatic Power Output Control



FM2500B

Technical Specifications

Electrical Specifications

RF Power Output	50-2500 Watts
RF Output Impedance	50 ohm
RF Output Connection	7/8" EIA
RF Frequency Range	88 - 108 mHz
RF Harmonic & Superious Suppression	Meets or exceeds all FCC, CCIR & IC Requirements
RF Drive Power	30 Watts for 2.5KW output
RF Input Connector	Type "N" Female
RF Input Impedance	50 ohm
Power Consumption	About 4.5KW
Power Requirements	230VAC 50-60 Hz Single Phase 208/230/400V 50-60Hz Three Phase

Mechanical Specifications

Dimensions Per Chassis	19" W x 25.8" D x 5.22" H
Total Amplifier Height	10.44"
Total Weight	145 Lbs
Shipping Weight	180 Lbs
Cooling	Forced Air
Operating Temperature	-10° to +50°C
Humidity	95% maximum, non-condensing
Altitude	7500' ASL maximum



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