



# 2075 High Power HF Transmitter

The Barrett 300-1000 Watt HF SSB Transmitter is a compact rack mounted unit developed for base applications in large HF networks. The transmitter comes as a complete package with exciter, power supply, RF power amplifier, interconnect cables and all rack mount hardware. The exciter is a Barrett 2050 transceiver with a 500 channel capacity and all mode capability.

The RF power amplifier is a rugged solid state unit with a comprehensive LCD display that displays the amplifier operating parameters. No tuning adjustments are required and the amplifier's ALC system protects the unit from severe mismatches. The separate switch mode power supply operates over a range of voltages from 110\* to 250VAC and is fully protected against overloads.

## Features

- All solid state
- Broadband 2-30MHz
- Instantaneous frequency changes
- No tuning adjustments
- 110\* to 250VAC power supply, no switching required
- Meets CCIR specifications

## Consists of

- Barrett 2050 HF Transceiver
- Barrett 2022 Power Supply Unit
- Barrett 2075 Linear Amplifier
- Barrett 2075 Power Supply Unit
- Cable (control) transceiver to linear
- Cable (coaxial) transceiver to linear
- Fan option to suit Barrett 2050 HF Transceiver (BCA20002)
- Rack mounting kit to suit Barrett 2050 and 2022 (BCA20007)
- 39U 19" rack cabinet for floor mounting or 18U 19" rack unit for desk mounting
- 19" Blanking panels and hardware

## Technical Specifications

- Frequency Range: 2-30MHz Broadband
- Power Output: Adjustable 300-1000 Watt PEP  
SSB, 1000 Watt Avg. FSK, CW
- Duty Cycle: 50%
- Intermodulation Distortion: -30dB typical
- Harmonics and Spurious: -50dB
- Output Impedance: 50 Ohms < 2:1 VSWR
- Primary Voltage: 110\*/250VAC
- Dimensions 39U rack unit: 1886(h) x 600(w) x 700(d)
- Dimensions 18U rack unit: 953(h) x 600(w) x 700(d)
- Weight 39U rack unit: 143Kg
- Weight 18U rack unit: 102Kg

\*Note :- at 110VAC input the 2075 transmitter will produce 500W PEP maximum power output.

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