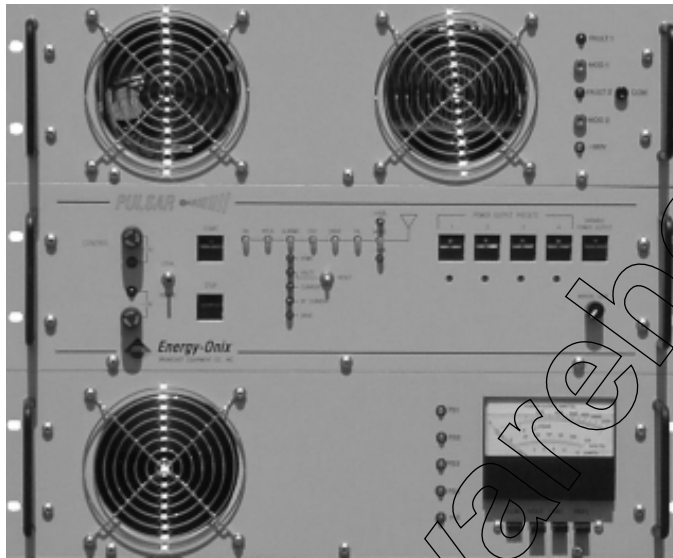


# PULSAR

## 1000B

SOLID STATE PDM AM TRANSMITTERS



RF Amplifier

Controller

Power Supply with  
Surge Suppressor

### Features:

- ◆ High Efficiency Pulse Duration Modulation (PDM)
- ◆ Portable and Rack Mountable -- Total Weight 105 lbs.
- ◆ Basic Transmitter consists of (3) 5 1/4" Chassis 35 lbs each
- ◆ Capable of 1100 Watts Output
- ◆ 140% Positive Modulation
- ◆ VSRW Protection
- ◆ 4 Times Fault Recycling
- ◆ 5 Power Level Presets
- ◆ Distortion less than 1%
- ◆ Optional Tuning Unit
- ◆ Economically Priced
- ◆ Perfect for Standby and Low Power Night time service

**FOR STAND-BY, NIGHT-TIME  
AND NORMAL LOW POWER  
SERVICE**



## ENERGY-ONIX

*The Transmitter People*

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## Description

The **Pulsar 1000B** transmitter is a portable version of the medium and high power AM transmitters made by Energy-Onix. The **Pulsar 1000B** incorporates all the proven features of our standard Pulsar 1000 transmitter. It represents an economic repackaging that requires only 15 3/4" of relay rack space. It can serve as an excellent standby for existing high power transmitters or for pre-sunrise, after sunset, or low power service.

## Options

**Antenna Tuning Unit:** This accessory is rack mountable and occupies only 5.1/4 inches of 19 inches rack space. It is normally used at sites where the AM antenna impedance is not constant and where an additional tuning and loading are required to maintain a minimum reflected power. This unit is capable of carrying 1.5KW of power.

## TECHNICAL AND MECHANICAL SPECIFICATIONS

<b>Configuration:</b>	(3) 5 1/4" Chassis -- one is the controller, 2nd is the RF Chassis, and the 3rd is a power supply with surge protector.	<b>Audio Input:</b>	600 ohm balanced, +4 dBm nominal
<b>Power Output:</b>	<u>Pulsar 1000B</u> , 1100 watts (capable)	<b>Power Input:</b>	Single phase 100-250 V, 50/60 Hz (other voltages on special order)
<b>Power Control:</b>	Automatic via five (local or remote) selectable levels. 1 through 4 are pre-sets, #5 is front panel adjustable.	<b>AC Line Variation:</b>	+10%, -5% voltage +/- 5% frequency
<b>Frequency Range:</b>	530 KHz to 1700 KHz (Specify Crystal Frequency)	<b>Power Factor:</b>	0.85 or better
<b>RF Output:</b>	50 ohms, type "N"	<b>Overall Efficiency:</b>	Better than 70%
<b>Modulator Type:</b>	Pulse Duration (PDM)	<b>Pwr Consumption:</b>	1300 W (0% Mod) 1800 W (100% Modulation)
<b>Audio Freq. Resp:</b>	+/-0.5 dB, 30-10,000 Hz	<b>Metering:</b>	Forward/Reflected Power, DC Current and Voltage
<b>Audio Dist. (THD):</b>	< 1% (95% Mod, 400 Hz)	<b>Remote Control:</b>	Transmitter ON/OFF, Power Level Selection, Overload Reset Telemetry Metering Samples
<b>Mod. Capability:</b>	135% positive peak	<b>Ambient Temp.:</b>	-10°C to 50°C
<b>RF Harmonics:</b>	-73 dB or more below rated output	<b>Humidity Range:</b>	0-95%
<b>Spurious Outputs:</b>	-73 dB or more below rated output	<b>Altitude:</b>	0-4,000m (0-13,000 ft.)
<b>Noise and Hum:</b>	-60 dB or more at 100% Mod	<b>Dimensions (Gross):</b>	19" H x 15 3/4"W x 20"D
<b>Freq. Stability:</b>	+/-5 Hz	<b>Weight: (Net)</b>	105 lbs