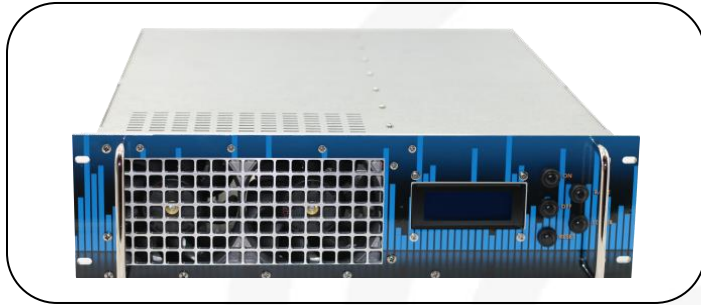


1KW, 2KW, and 3KW FM Amplifiers

1 KW, 2 KW and 3 KW FM Amplifiers



- Solid state power MOSFET Technology
- Reliable design and manufacturer
- Frequency agile 87.5 - 108MHz
- Efficient state-of-the-art transistors and power supplies
- Extensive monitoring via Ethernet and Remote Samples
- 2 Year Warranty

RF CHARACTERISTICS

<i>Output Impedance</i>	50 Ω
<i>Input Power</i>	15 – 17 Watts Max
<i>Frequency Range</i>	87.5 – 108.0 MHz
<i>Nominal Output Power</i>	Model dependent (1 KW, 2 KW, 3KW)
<i>Power Level</i>	Adjustable 1 – 105%
<i>Output Connector</i>	7/8 EIA
<i>Input Connector</i>	Type BNC
<i>Spurious Emissions</i>	Compliant to Industry Canada BETS-6 and FCC 73.317

ELECTRICAL

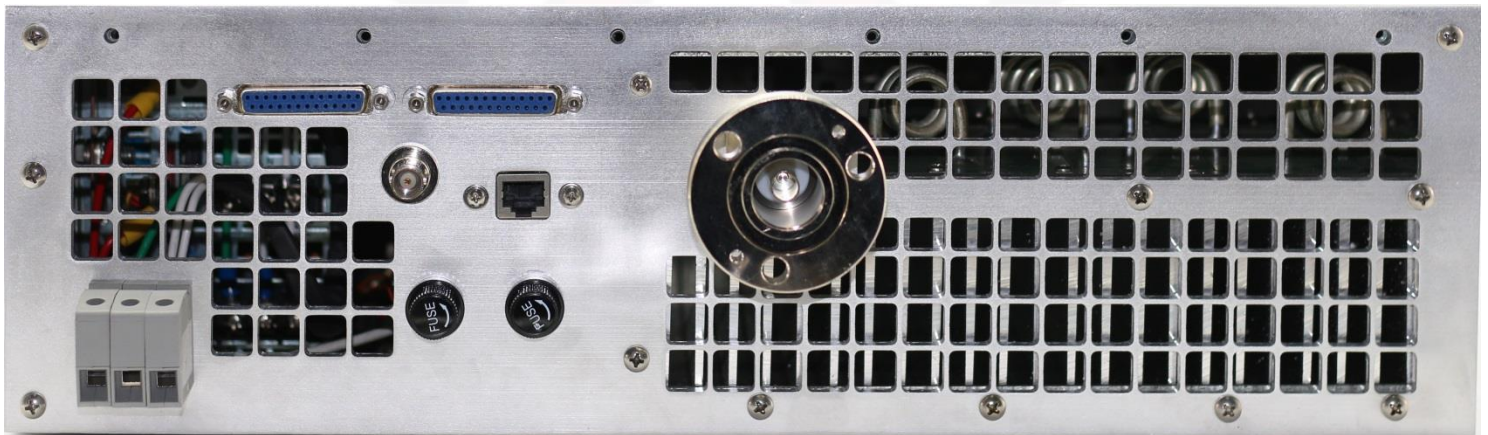
<i>AC Input Voltage</i>	200 - 250 Vac
<i>Overall Power Consumption</i>	1 KW = 1.470 KW, 2 KW = 2.941 KW, 3 KW = 4.411 KW
<i>Overall Efficiency</i>	>68%
<i>PA Power Consumption</i>	1 KW = 1.282 KW, 2 KW = 2.564 KW, 3 KW = 3.846 KW
<i>PA Efficiency</i>	>78%

INTERFACE

<i>Remote Port</i>	<i>Control:</i>	RF carrier on/off, Reset
	<i>Monitor:</i>	Forward/reflected RF level, control PCB Vcc
	<i>Flags:</i>	VSWR, Current, Voltage, Forward Power
<i>Ethernet</i>	<i>Control:</i>	RF carrier on/off, Reset
	<i>Monitor:</i>	Forward/reflected RF level, DC pallet voltage, RF input level, temperature, VSWR trip point, model
	<i>Flags:</i>	Carrier on/off, amplifier overdrive, DC pallet voltage, VSWR, RF input level, AGC/manual status
<i>LCD Display</i>	<i>Monitor:</i>	Forward/reflected RF level, DC pallet voltage, RF input level, pallet current
	<i>Flags:</i>	VSWR, Current, Voltage, Forward Power



LCD Display



Rear Panel Connections

PHYSICAL FEATURES

<i>Minimal Rack Space</i>	3U	5.25" (H) x 21" (D) x 19" (W)
<i>Lightweight Enclosures</i>	Aluminum	
<i>Operating Temperature</i>	0 to +59° C	
<i>Humidity</i>	90%, non-condensing	