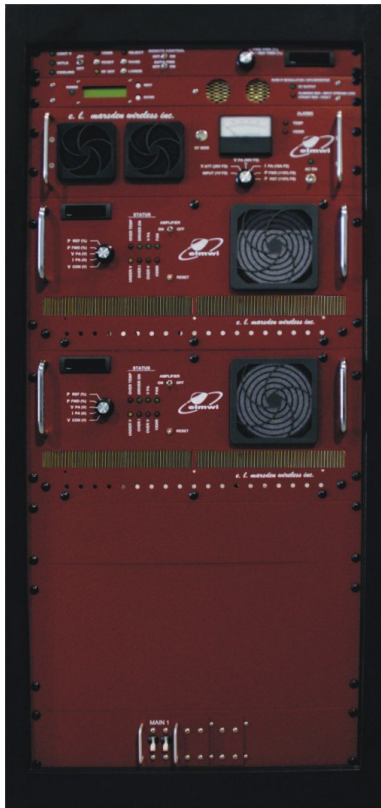




## 1kW VHF Digital



# 1kW VHF Digital

Model	A1KSTTV
<b>Technical Specifications</b>	
RF Output Power (Average)	1000 Watts
RF Frequency Range	VHF (174 - 230 MHz)( 48-88 MHz)
Output Impedance	50 Ohms
Output Connector	7/8 EIA (Others available on request)
Out of Band Emission	Meets or exceeds FCC Requirements
Digital SNR	Meets or exceeds ATSC recommendation
<b>General Specifications</b>	
Driver	DMOS/LDMOS Amplifier
Output Stage	DMOS/LDMOS Amplifier
Maximum Altitude	2500 Meters (8200 Feet)
Ambient Temperature Range	-30° C to +50° C
Relative Humidity	0 to 95%, Non-Condensing
Primary Power	220 VAC, 50/60 Hz Nominal
Cooling	Forced Air
Dimensions (W x H x D):	22" x 48.3" x 32"
Weight	280 lbs
Power Consumption	<3.8 kVA Maximum (Channel Dependent)
Heat Load @ Full Output (Typical)	7,500 BTU/Hr
Air Conditioning Requirements	Based on local environment; consult factory

The A1KSTTV transmitter is a 1000 Watt VHF Digital Television Transmitter which has many control and protection features seldom found in equivalent equipment.

The solid state final amplifier (PA) uses LDMOS or DMOS transistors for optimum linearity.

This PA has an internal +50V power supply and self-contained protection against over-current, over-voltage and over-temperature, as well as, overall reflected power (SWR) protection. The combination of all of these protection features provides the user with a high level of "on-the-air" reliability.

This transmitter utilizes an auto correcting digital modulator/upconverter and a solid state driver amplifier.

A remote control interface is standard with the transmitter, allowing for a rapid connection to the user's remote control system. Whenever possible, all active components have been located on printed circuit boards to make field service easier and quicker, thus assuring a minimum of down-time for equipment maintenance.