Export Models	**Output Power with 4 watts input**	**Approx. Power Output with 20 watts input/ Approx. Max Current**	**Transistors**	**Class**	**Power Levels**	**Relative Output RF Meter**	**10dB RF Preamp**	**SSB Delay**
Modulator EX Plus	5 to 75 (internal adj.)	100W/14A	1-2SC2290	C	2	---	YES	---
Modulator EX V-Plus	5 to 75 (external adj.)	100W/14A	1-2SC2290	C	variable	---	YES	---
Skeleton 220EX	125	200W/14A	2-MRF455	C	1	---	---	YES
EX 225	150	225W/23A	2-MRF455	AB1	4	YES	YES	switched
EX 225V	150	225W/23A	2-MRF455	AB1	variable	YES	YES	switched
EX 250	150	250W/26A	2-2SC2290	AB1	4	YES	YES	switched
EX 250HDV	150	250W/26A	2-2SC2290	AB1	variable	YES	YES	switched
EX 350	180	350W/30A	2-2SC2879	AB1	4	YES	YES	switched
EX 350HDV	180	350W/30A	2-2SC2879	AB1	variable	YES	YES	switched
EX 400	200	400W/40A	4-2SC2290	AB1	4	YES	YES	switched
EX 400V	200	400W/40A	4-2SC2290	AB1	variable	YES	YES	switched
EX 500	250	500W/45A	4-2SC2879	AB1	4	YES	YES	switched
EX 500V	250	500W/45A	4-2SC2879	AB1	variable	YES	YES	switched
EX 667	500	650W/58A	1-2SC2290 driving 4-2SC2879	AB1	4	YES	YES	switched
EX 667V	500	650W/58A	1-2SC2290 driving 4-2SC2879	AB1	variable	YES	YES	switched
EX 1200	---	100W produces 900 out	8-2SC2290	AB1	1	---	---	switched
EX 1600	---	100W produces 1200 out	8-2SC2879	AB1	1	---	---	switched

TEXASSTAR™

SSB Transmitters

(Models DX 400, DX 400V, DX 500, DX 500V, DX 667 and DX 667V)

These transmitters are designed for mobile or base SSB operation. Powered by the 12 volt vehicle battery or 12 volt regulated power supply. Frequency of operation is within the 10 meter band, determined by installation of a crystal into the oscillator board. The transmitters contain a transmit/receive relay and an output connector for the receiver to share the antenna and permit break-in operation.

OPERATION:

- ***Red "POWER" Button*** turns the unit on and off.
- ***White "REC AMP" Button*** turns the receive amplifier on to provide 6dB of gain for your receiver. This will work independently of the power button -- that is, the white button may be pressed "on" even when the red button is "off." The oscillator may be operated without any output to the antenna. You will be able to hear the signal in your receiver. This may be useful to adjust your electronic keyer or to practice your Morse Code "off the air."
- ***Green Button*** reduces power on all models. On models DX 400V and DX 500V, it also activates the RF Output Knob.
- ***Yellow "DELAY" Button*** reduces power and adds delay to the transmit/receive relay to accommodate different transmission rates for break-in keying operation. On models DX 400V and DX 500V, this button adds delay but does not reduce power.
- ***RF Output Knob*** controls RF
- ***Meter*** is an RF Relative Output Indicator and lights during transmission.
- A ***Crystal*** made for series operation must be installed into the holes labeled "X-1" near the top of the oscillator board. The frequency should fall between 27.0 MHz and 29.7 MHz.
- ***Key Jack*** for 1/8" miniature phone plug is located on the rear of the unit for connection of the telegraph key.
- ***Power Cables*** are also located at the rear. The red lead connects to the positive side of the power supply, and the black lead connects to the negative side.
- ***Antenna Connector*** (SO239) for 50 ohm antenna is located on the rear.
- ***Radio Connector*** (SO239) for 50 ohm output to the receiver is also located on the rear.

Previous Page
Next Page
Home

output level when the Green Button is engaged. On the DX 667V only, the RF Output knob is operational at all times.

SPECIFICATIONS:

Frequency Range	27.0 MHz to 28.0 MHz
Stability	50 parts per million, 0-50 degrees Celsius with typical quartz crystal
Power Output	< 5 watts
Voltage	13.6 volts DC
Amps	< 6
Impedance	50 ohms
Duty Cycle	100% at full output
Harmonics	> 30dB down
Dimensions	3-1/4"(H) x 6-5/8"(W) x 10-3/4"(D)
Weight	6 pounds

TS667V (650W PEP Output)

TS1600 (1200W PEP output)