



EVGRAY ENTERPRISES, INC.

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TECHNICAL DESCRIPTION

E. M. S. INVERTER

The development of high voltage (2000 to 3000 volts) D.C. power for operation of the E.M.S. motor incorporates a specialized high efficiency, high frequency inverter developed by EVGRAY ENTERPRISES. The operating frequency is 6000 cycles as compared to the 60 cycle line power of A.C.

Certain electrical equipment such as solid state radio and television equipment plus light bulbs will operate on a 6000 cycle power line (as supplied by the E.M.S. inverter).

Since the overall efficiency of the E.M.S. inverter is extremely high, electrical equipment which will operate on its high frequency, will operate for much greater periods of time (at least four times longer) As compared to direct D.C. or making use of a standard D.C. to A.C. inverter.

The efficiency of the equipment being activated by the E.M.S. inverter output is much greater than with the use of 60 cycle input. Such equipment therefore will realize greater operation periods hence vastly improved M.T.B.F. (mean time between failures)

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