

OMB - EM 500



The **EM 500** is a 500W FM transmitter made up of the **EM 25 DIG** exciter (or **EM 20/30** exciter) and the **AM 500** FM amplifier. This equipment includes two 300W high-efficiency amplifying modules, LPF (Low Pass Filter) and cyclical protections of: SWR, overdrive, over-consumption, over-power and temperature. The output power is externally adjustable between 0 ~ 500W. The EM 500 incorporates a switching power supply that allows stable output power with input voltage from 90 to 260VAC.

TECHNICAL INFORMATION:

frequency range
87.5 ~ 108MHz
operating class
B
input return loss
20dB
input power
3 ~ 6W
OUTPUT POWER
500W nominal
efficiency
70% approx.
cooling
Air forced
power gain
19.2dB typical
harmonics
<-70dBc
input/output impedance
50Ω

RF input connector
N Female
RF OUTput connector
N Female
RF monitor CONNECTOR
BNC Female
ac POWER SUPPLY
90-260V_{AC}; 50/60 Hz < 950VA
ProtectTions
Reflected power (10% nominal power), overconsumption, temperature, power supply failure, and overdrive.
REMOTE CONTROL AND tELEMETRY
RS-232, exciter inhibition
Dimensions
4RU (19" rack), 465mm depth (without handles)
weight
24.6Kg (54.12Lbs)

Erickson Broadcast Sales Corporation
USA Call 888-830-8223 or 541-460-0249

website: www.ebsradio2000@yahoo.com e-mail: ebsradio2000@yahoo.com