

S79005

W FM Transmitter

The new S7900 series of FM amplifiers provides the same highly sought after modularity that Eddystone is renowned for in a more compact and cost effective package.

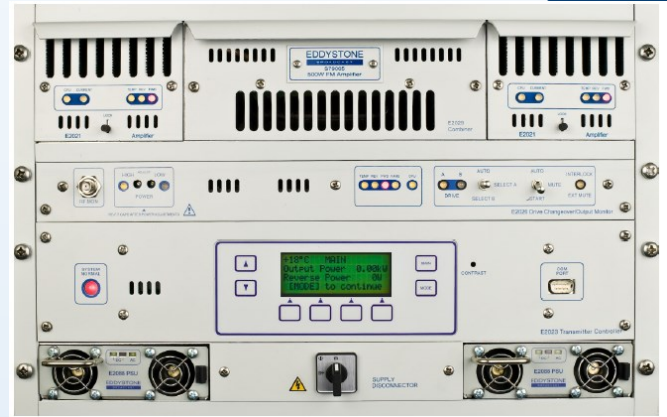
Features

- Compact Amplifier and PSU Modules which permit on air replacement
- Fully compliant with ETS 300 384
- Easily configured into a wide range of system architectures
- Uses highly efficient SMPSU power supplies with PF correction
- IP remote monitoring & control
- System parameter logging and fault diagnosis
- Built in access to user manuals
- Drive monitoring & control
- Industry grade authentication

Monitoring & Control

Each module transmits its internal parameters to the central transmitter controller/monitor (E2023) and parameters can be accessed via on board LCD screen or through local or remote IP connection to the transmitters internal web interface.

Specifications	
Power Output	500W (Adjustable to -6dB)
Operating Frequency	87.5 to 108 MHz
RF Output Load Impedance	50 ohm unbalanced
RF Output Connector	N Type (female)
Maximum VSWR	Able to maintain full power at 1.5:1
Mains Power Supply	Single phase 85-265V
RF Harmonic Output	Better than or equal to -79dBc
Ambient Temperature Range	5°C to +55°C at an altitude up to 3000M
Specification subject to change	



Build

The drive input is fed to an internal 2 way splitter which provides the PA module input drive. Each E2021 Power amplifier uses dual packaged MOSFET's mounted on a substantial heat sink assembly with minimum airflow over RF components. DC power is fed to the RF modules from the 1 or 2 (option) switched mode power supplies. Internal control and self protection in case of reverse power, excess current or over temperature is handled within each individual E2021 power amplifier module with all monitoring being microprocessor derived. Self contained redundant

cooling fans mounted on the rear of the transmitter. This cooling system can be ducted if required and bespoke systems can be provided to meet special requirements.

The use of the E2021 300W hot-pluggable Power Amplifier modules means that removal of amplifiers can be carried out with minimal reduction in output power and it retains complete compatibility with its predecessor the S7600 series amplifiers. The design also features the newly updated single or dual redundant highly efficient hot-pluggable switched mode power supplies.

