TELEVISION

MAIN CHARACTERISTICS:

- Forced-air Cooling System
- LDMOS Technology for UHF Versions
- High Efficiency
- Single Remote Control access point using Elettronika RCU
- All voltages and currents available on display

# Digital TV High Power Complete Systems

The systems in 'TV High Power Complete Systems' series are equipment designed to simplify transport and installation and to ensure high working reliability for directly powering antenna systems.
The amplifier design redundancy (a power supply for every MOS device), the oversized unbalanced power dummy loads, allow a NO STOP transmission 24h per day.
The temperature of the amplifiers is guaranteed by a forced air cooling system extremely noiseless.
The good MER value, LO phase noise and high performance digital processing of the exciter together with the great amplifier linearity, achieved with the use of the state-of-the-art LDMOS (UHF) and MOSFET (VHF) technology, ensure a great overall performance.
A microprocessor for each equipment monitors and controls the currents of the transistors and voltages of the power supply together with the measure of RF output power and the temperature of the heat-sinks.
The presence of a Control Unit ensure a single control point to access all amplifiers measures.
The systems in the series are completely (exciter + amplifier) remotable by a single access point using the Elettronika RCU equipment.

## DVB-T/H Models

| | | | |
|---|---|---|---|
| TXUD600 | 600$W_{rms}$ - UHF | Composed by: | DVB-T/H Transm. + AUTV/2500LD |
| TXUD800 | 900$W_{rms}$ - UHF | Composed by: | DVB-T/H Transm. + AUTV/3500LD |
| TXUD1000 | 1200$W_{rms}$ - UHF | Composed by: | DVB-T/H Transm. + AUTV/5000LD |
| TXUD2500 | 2500$W_{rms}$ - UHF | Composed by: | DVB-T/H Transm. + AUTV/10000LD |
| TXVD400 | 400$W_{rms}$ - VHF III | Composed by: | DVB-T/H Transm. + AVTV/2000ST |
| TXVD500 | 520$W_{rms}$ - VHF III | Composed by: | DVB-T/H Transm. + AVTV/2500ST |
| TXVD1000 | 1000$W_{rms}$ - VHF III | Composed by: | DVB-T/H Transm. + AVTV/5000ST |
| TXVD2000 | 2000$W_{rms}$ - VHF III | Composed by: | DVB-T/H Transm. + AVTV/10000ST |

## ATSC Models

| | | | |
|---|---|---|---|
| TXUD600 | 1000$W_{rms}$ - UHF | Composed by: | ATSC Mod. + Driver + AUTV/2500LD |
| TXUD800 | 1500$W_{rms}$ - UHF | Composed by: | ATSC Mod. + Driver + AUTV/3500LD |
| TXUD1000 | 2000$W_{rms}$ - UHF | Composed by: | ATSC Mod. + Driver + AUTV/5000LD |
| TXUD2500 | 4000$W_{rms}$ - UHF | Composed by: | ATSC Mod. + Driver + AUTV/10000LD |
| TXVD400 | 720$W_{rms}$ - VHF III | Composed by: | ATSC Mod. + Driver + AVTV/2000ST |
| TXVD500 | 920$W_{rms}$ - VHF III | Composed by: | ATSC Mod. + Driver + AVTV/2500ST |
| TXVD1000 | 1800$W_{rms}$ - VHF III | Composed by: | ATSC Mod. + Driver + AVTV/5000ST |
| TXVD2000 | 3600$W_{rms}$ - VHF III | Composed by: | ATSC Mod. + Driver + AVTV/10000ST |

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