



Medium Power FM Amplifiers

MAIN CHARACTERISTICS:

- Forced-air Cooling System
- High Efficiency
- Remote Control wired and serial (RS232 or RS485)
- All voltages and currents available on display



4U Amplifier rear panel

The amplifiers in 'FM Medium Power amplifiers' series are designed to simplify transport and installation. Born to ensure high working reliability for directly powering antenna systems, are a perfect choice to be combined in higher power amplifiers. The design redundancy (a power supply for every MOS device), the oversized unbalanced power dummy loads, the wide input range of the switching-mode power supplies, allow a NO STOP transmission 24h per day. The temperature of the amplifiers is guaranteed by a extremely noiseless forced air cooling system. A microprocessor monitors and

controls the currents of the MOSFETS and voltages of the power supplies together with the measure of RF output power and the temperature of the heat-sink. A multifunction display makes it possible to verify all the operating parameters of the unit. The amplifiers in the series are remotable by wired telemetry connector or by serial communication, RS232 on front panel or RS485 on rear panel.

MODELS

500W	1000W	1500W	2000W	2500W
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6U Amplifier front panel



Technical characteristics

Medium Power FM Amplifiers

MODEL	EKA500	EKA1000	EKA1500	EKA2000	EKA2500
Output Power	500W	1000W	1500W	2000W	2500W
Gain	15dB ±1	18dB ±1	18dB ±1	18dB ±1	19dB ±1
Remote Control	RS232, RS485	RS232, RS485	RS232, RS485	RS232, RS485	RS232, RS485
Input Connector	N Female	N Female	N Female	N Female	N Female
Output Connector	N Female	7/16 Female	7/16 Female	EIA 7/8"	EIA 7/8"
Power Supply Voltage	90-260V	90-260V	90-260V	230V ±15% <small>other on request</small>	230V ±15% <small>other on request</small>
Power Supply Frequency	47-63Hz	47-63Hz	47-63Hz	47-63Hz	47-63Hz
Power Factor	> 0.98	> 0.98	> 0.98	> 0.98	> 0.98
Power Consumption	1 kVA	1,9 kVA	2,9 kVA	3,7 kVA	4,6 kVA
Housing	4U	6U	6U	6U	6U
Weight	20kg	26kg	60kg	55kg	55kg
AirFlow	200m ³ /h	300m ³ /h	330m ³ /h	500m ³ /h	500m ³ /h
Temperature	-5°C to +45° C	-5°C to +45° C	-5°C to +45° C	-5°C to +45° C	-5°C to +45° C

Specifications and characteristics are subject to change without notice



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