

High Power FM AMPLIFIERS

The amplifiers in 'FM High Power amplifiers' series are designed to simplify transport and installation. Born to ensure high working reliability they excel also for their great performance. 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. The presence of a Control Unit that collects all measures from amplifiers and from antenna system ensure a single control point to access to all MOSFET currents, power supplies voltages, temperatures of the heat- sinks, amplifiers output powers together with the RF power reading of the output antenna system. A multifunction display on the Control Unit 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 of the Control Unit.



MAIN CHARACTERISTICS:

- Forced-air Cooling System
- High Efficiency
- Remote Control wired and serial (RS232 or Rs485)
- Powers, Temperatures, Voltages and Currents available on a single control points

MODELS					
3kW	4kW	5kW	6kW	10kW	20kW

TECHNICAL CHARACTERISTICS

MODEL	E K A 3000	E K A 4000	E K A 5000	E K A 6000	E K A 10000	E K A 20000
Output Power	3000W	4000W	5000W	6000W	10kW	20kW
Gain	18dB ±1	18dB ±1	19dB ±1	18dB ±1	19dB ±1	19dB ±1
Power Amplifiers	2 x EKA1500	2 x EKA2000	2 x EKA2500	4 x EKA1500	4 x EKA2500	8 x EKA2500
Remote Control	RS232, RS485	RS232, RS485	RS232, RS485	RS232, RS485	RS232, RS485	RS232, RS485
Input Connector	N Female	N Female	N Female	N Female	N Female	N Female
Output Connector	EIA 7/8"	EIA 7/8"	EIA 1"+5/8	EIA 1"+5/8	EIA 3"+1/8	EIA 3"+1/8
Power Supply Voltage	3P+N 400V ±15%	3P+N 400V ±15%	3P+N 400V ±15%	3P+N 400V ±15%	3P+N 400V ±15%	3P+N 400V ±15%
Power Supply Frequency	47-63Hz	47-63Hz	47-63Hz	47-63Hz	47-63Hz	47-63Hz
Power Factor	> 0.98	> 0.98	> 0.98	> 0.98	> 0.98	> 0.98
Power Consumption	5.8 kVA	7.8 kVA	9.5 kVA	9.5 kVA	19 kVA	36 kVA
Housing	1Rack/28U	1Rack/28U	1Rack/28U	1Rack/42U	1Rack/42U	3Rack/39U
Weight	280kg	275kg	275kg	470kg	470kg	1025kg
AirFlow	800m ³ /h	2500m ³ /h	2500m ³ /h	2500m ³ /h	4200m ³ /h	10000m 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	-5°C to +45° C

NOTE:
SPECIFICATIONS AND CHARACTERISTICS ARE SUBJECT TO CHANGE WITHOUT NOTICE