



RFE

MAKING
BROADCAST
SMARTER

HPA3000 3 KW FM Amplifier

FM HPA AMPLIFIER





HP Series Medium Power 3 KW FM Amplifier



PRODUCT DESCRIPTION

The HPA3000 FM Amplifier features very compact dimensions associated with RFE most innovative technologies in terms of efficiency, costs and maintenance. A reliable device, easy to be used and controlled, including the best performances in a small size.

The standard configuration includes various features, while others are available on request.

MAIN FEATURES

- Highest overall efficiency > 73%
- Nominal RF power up to 3300W
- Front Panel Hot-Swap Power Supplies
- Front Panel Hot Plug RF Amplifier
- Web TCP/IP
- 6th LD-MOS generation VSWR 65:1
- Large LCD color display with touch panel
- CCIR & FCC compliant

OPTIONS

- Deep Tropicalization





GENERAL	Power Output	3000W nominal adjustable from 10 to 110%
	RF Input Connector	50 ohm - "N" female
	RF Output Connector	50 ohm - 7/8" EIA
	RF Monitor	BNC connector From Internal Masurement Coupler.
	VSWR	max 1.8:1 [8% of nominal Power]
	Power Good Detector	adjustable from 20-90% of the power
	RF Harmonics [for 2f,3f...]	≥80 dBc
	RF Spurious	≥80 dB
OTHER FEATURES	Power Reduction	permits the reduction of the output power during the night (programmable)
AUXILIARY CONNECTIONS	RS485	DB9 connector back panel.
	Telemetry Interface	connector DB25 back panel
	LAN	RJ45 connector back panel
OPTIONS		SNMP v2c
ELECTRICAL	AC Input Power	220 ± 20% VAC 50/60 Hz single phase; 380 ± 10% VAC 50/60 Hz three phase + neutral
	AC Apparent Power Consumption	4200 VA max - 19 A max
	CosΦ	> 0.95
	Cooling	Forced air with three 80x80 DCaxial fans.
ENVIRONMENTAL	Acoustic noise	< 56 dBa @ 1 meter.
	Operating temperature	-10°C to +50°C
	Max Operating Altitude	4500 mt.
PHYSICAL DIMENSION	Relative Humidity Range	0 to 90%
	Mounting	Standard 19" chassis 4 U rack
	Size	W x 483 mm. D x 600 mm. H x 176 mm
	Weight	30 Kg

