

# TV amplifiers

Preliminary version

**ATVPA500LU1**  
**DTVPA250UU1**  
**DTVPA120EU1**

**ATVPA800LU1**  
**DTVPA400UU1**  
**DTVPA200EU1**



ATVPA800LU1 (800 w) - Front view

## Features - Caratteristiche

- > Exceptional-gain amplifiers with low input drive power requirement, ideal for medium to high power stations.
- > Enhanced reliability, uninterrupted performance and high efficiency. Highly redundant amplification unit which, in the event one or more of the amplifiers modules becomes totally or partially impaired due to a fault, the output power is reduced to maintain transmission and remain on air.
- > Advanced module design ensures easy accessibility and maintenance.
- > Pushbuttons for user/device interaction provides enhanced accessibility and control, resulting in extreme ease of use.
- > Amplifiers are extremely compact and rugged thanks to the stainless steel chassis in only 3 HE.
- > Amplificatori ad eccezionale guadagno con bassa potenza di pilotaggio in ingresso, ideale in stazioni di medio-alta potenza.
- > Elevata continuità operativa, alta efficienza di esercizio ed eccellenti performance. Estrema ridondanza del gruppo di amplificazione che in caso di guasto di uno o più moduli di amplificazione disponibili (totalmente o parzialmente), riduce automaticamente la potenza di uscita mantenendo in onda la trasmissione.
- > Estrema accessibilità e semplicità di manutenzione grazie ad un'avanzata ingegnerizzazione modulare.
- > Estrema semplicità d'utilizzo, data dall'accessibilità fornita dai tasti a pressione per l'iterazione fra l'utente e l'apparato.
- > Costruzione modulare estremamente compatta e indeformabile, realizzata in chassis di acciaio inox, in sole 3 unità rack.

## Technical specifications

Parameters	500Wps Values	800Wps Values
<b>GENERALS</b>		
Frequency Range	Bd IV & V (470-860 Mhz)	
Standards	All standards	
Working Temperature	0-45 °C	
Relative maximum humidity	95% non-condensing	
Interlock Connector	BNC	
Serial Interface	RS 232 / RS485	
Input Connector	N-type female connector, 50 Ohm	
Output Connector	7/8" connector	
Cooling	Air forced	
<b>RF SECTION SPECIFICATIONS ANALOGIC</b>		
Output Power	500Wps Analogic	800Wps Analogic
Amplification Mode	Common Audio-Video	
I.M.D. at nominal power	better than -60 dBc	
Output spurious and harmonics	< -60 dBc (with output filter)	
<b>RF SECTION SPECIFICATIONS 8-VSB</b>		
Output Power	250Wrms	400Wrms
<b>RF SECTION SPECIFICATIONS DVB-T/H</b>		
Output Power	120Wrms	200Wrms
<b>METERING</b>		
	Output power	
	Reflected power	
	Power supply meter	
	Temperature	
	Absorbed current	
	Enable status	
<b>PROTECTIONS</b>		
	VSWR	
	Overdriver	
	Overtemperature	
	Overcurrent	
<b>MAINS SECTION SPECIFICATIONS</b>		
Mains Voltage	180/230 Vac (50/60 Hz)	
Power consumption	~1100W Analogic (50% APL) ~1100W 8-VSB ~700W DVB-T/H	~1900W Analogic (50% APL) ~1900W 8-VSB ~1200W DVB-T/H
Power Factor	0.9	
<b>MECHANICAL SPECIFICATIONS</b>		
Dimensions	3 HE	

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