

Solid State Amplifiers

> *high efficiency PJ-LCD series*

PJ3500LCD



PJ3500LCD front view

Features

- > **PRIMARY APPLICATION:** uncompromised amplification power at a very attractive price.
- > **AMPLIFIER FEATURES:** high-gain amplifier with very low input drive power requirement and adjustable power output from 20 to 100 %.
- > **HARDWARE FEATURES:** compact and indeformable thanks to the stainless steel chassis, in 3 rack units only.
- > **USER-FRIENDLY FEATURES:** four pushbuttons for user/device interaction and software that offers a simple, intuitive interface.
- > **OPERATING EFFICIENCY:** incorporate 3 PFC (Power Factor Corrector) power supplies in a redundant configuration, that provides the utmost efficiency for enhanced energy saving and environmental protection, which added to LD-MOSFET technology
- ensure high efficiency, better than 70% across the bandwidth.
- > **EASE OF MAINTENANCE:** advanced module engineering ensures extreme ease of access and simple maintenance.
- > **RELIABILITY/CONTINUITY:** APC (Automatic Power Control) and Foldback protection ensure reliable operation under any operating conditions.
- > **INTERFACE CONTROL:** total control thanks to microprocessor easily programmed from menu with all key parameters displayed on LCD.
- > **REMOTE CONTROL:** electromechanically controllable and integrable into all digital **RVR** telemetry systems.
- > **REGULATORY COMPLIANCE:** state-of-the-art technology in full compliance with EC, FCC and CCIR standards.

Caratteristiche

- > **PRIMARY APPLICATION:** potenza di amplificazione senza compromessi ad un prezzo estremamente contenuto.
- > **AMPLIFIER FEATURES:** amplificatore ad alto guadagno con potenza di pilotaggio in ingresso estremamente basso e potenza di uscita regolabile dal 20 al 100%.
- > **HARDWARE FEATURES:** compatto, indeformabili e leggeri perché realizzati in chassis di acciaio inox, in sole 3 unità rack.
- > **USER-FRIENDLY FEATURES:** quattro tasti a pressione per l'interazione fra l'utente e l'apparato unita ad un software intuitivo e semplificato.
- > **OPERATING EFFICIENCY:** per un risparmio di risorse energetiche e ambientali, utilizzano 3 alimentatori PFC (Power Factor Corrector) in configurazione ridondante che sommato alla tecnologia LD-MOSFET garantisce rendimenti elevati, superiori al 70% su tutta la banda.
- > **EASE OF MAINTENANCE:** estrema accessibilità e semplicità di manutenzione grazie ad una avanzata ingegnerizzazione modulare dell'apparato.
- > **RELIABILITY/CONTINUITY:** elevata continuità di esercizio garantita in qualsiasi condizione di lavoro attraverso un controllo automatico APC ed una protezione di Foldback.
- > **INTERFACE CONTROL:** controllo completo basato su microprocessore e da menu con lettura su display LCD di tutti i parametri principali.
- > **REMOTE CONTROL:** elettromeccanicamente controllabile ed integrabile in tutti i sistemi di telemetria digitali **RVR**.
- > **REGULATORY COMPLIANCE:** tecnologia moderna e pienamente rispondente alle normative EC, FCC ed CCIR.

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BROADCAST
EQUIPMENT

(Oirt, JPN &
China Band
others
on request)

Technical specifications

PJ3500LCD

Parameter		Value
GENERALS		
Frequency range		FCC - CCIR - OIRT - JPN - CHN
Rated output power		3500 W
Driver power for rated output		30 W
Max input power before protection		35 W
Environmental working conditions		-10 °C to +45 °C before the rating / 95% relative Humidity non condensing
POWER REQUIREMENTS		
AC Power Input	AC Supply Voltage	Monophase 230 VAC ±15% - Triphase 380 VAC 3+N ±15%
	Active Power Consumption	typical 5000 W
	Overall Efficiency	typical 70 %
	Connector	Terminal Block
MECHANICAL DIMENSIONS		
Physical Dimensions	L x H x W	483 mm x 132 mm x 670 mm
Weight		about 31 kg
Cooling		Forced, with internal fan
Acoustic Noise		< 75 dBa
INPUTS		
RF Input		50 Ohm (N type)
OUTPUTS		
RF Output		50 Ohm (7/8" EIA flange type)
RF Monitor		50 Ohm (BNC) approx. 0dBm
FUSES		
On Mains		3 External F 10 A - 6 x 30 mm
On Mains		4 Internal F 32 A - 10 x 38 mm

All pictures are RVR's property and they are only indicative and not binding. The pictures can be modified without notice. These are general specifications. They show typical values and are subject to change without notice.

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