

Solid State Amplifiers

> modular **PJM-C series**

PJ3500M-C



PJ3500M-C front view

Features

- > **PRIMARY APPLICATION:** uncompromised high amplification power. Ideal to supplement mid to high power stations.
- > **AMPLIFIER FEATURES:** exceptional-gain amplifier with very low input drive power requirement and adjustable power output from 10 to 100 %. Available (optionally) LD "Low Drive" technology which reduces required input drive power to as little as 5W.
- > **HARDWARE FEATURES:** easy handling, compact and indeformable thanks to the stainless steel chassis, in 3 rack units each only.
- > **RELIABILITY/CONTINUITY:** APC (Automatic Power Control), Foldback protection, redundancy of amplification units and redundancy of power supply units to mantene always on the broadcast transmission, ensure reliable operation under any operating conditions.
- > **OPERATING EFFICIENCY:** incorporate a PFC (Power Factor Corrector) power supply, 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.
- > **USER-FRIENDLY FEATURES:** configurable both in single and three phase. Five pushbuttons for user/device interaction and software that offers a simple, intuitive interface.
- > **INTERFACE CONTROL:** total control thanks to microprocessor easily programmed from menu with all key parameters displayed on LCD.
- > **EASE OF MAINTENANCE:** advanced module engineering ensures extreme ease of access and simple maintenance.
- > **REMOTE CONTROL:** supplied with telemetry connectors and is compatible with all RVR telemetry systems and other popular transmitter remote control systems.
- > **REGULATORY COMPLIANCE:** state-of-the-art technology and design results in equipment that is in full compliance with FCC, CCIR, and EC standards.

Caratteristiche

- > **PRIMARY APPLICATION:** estrema potenza di amplificazione senza compromessi. Ideale come complemento per stazioni di media-alta potenza.
- > **AMPLIFIER FEATURES:** amplificatore ad alto guadagno con potenza di pilotaggio in ingresso estremamente basso e potenza di uscita regolabile dal 10 al 100%. Disponibile anche con LD (Low Drive) che abbate la potenza di pilotaggio richiesta a a soli 5 W (versione vendibile opzionalmente).
- > **HARDWARE FEATURES:** estremamente compatto e indeformabile perché realizzato in doppio chassis di acciaio inox, in sole 3 unità rack ognuno, ideale per permettere un'agevole movimentazione.
- > **RELIABILITY/CONTINUITY:** elevata continuità di esercizio in qualsiasi condizione di lavoro, assicurato dal controllo automatico APC, protezione di Foldback, ridondanza del gruppo di amplificazione e del gruppo alimentazione che mantiene sempre in onda la trasmissione.
- > **OPERATING EFFICIENCY:** per un risparmio di risorse energetiche e ambientali, utilizza un alimentatore PFC (Power Factor Corrector) che sommato alla tecnologia LD-MOSFET garantisce rendimenti elevati, superiori al 70% su tutta la banda.
- > **USER-FRIENDLY FEATURES:** configurabile sia in monofase che trifase. Cinque tasti a pressione per l'interazione fra l'utente e l'apparato unita ad un software intuitivo e semplificato.
- > **INTERFACE CONTROL:** controllo completo basato su microprocessore e da menu con lettura su display LCD di tutti i parametri principali.
- > **EASE OF MAINTENANCE:** estrema accessibilità e semplicità di manutenzione grazie ad una avanzata ingegnerizzazione modulare dell'apparato.
- > **REMOTE CONTROL:** presenza di connettori per la telemetria ed il telecontrollo compatibile con tutti i sistemi di telemetria della RVR Elettronica.
- > **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

Book		PJ3500M-C
Parameter		Value
GENERALS		
Frequency range		FCC - CCIR - OIRT - JPN - CHN
Rated output power		3500 W
Driver power for rated output		70W (typical 50 W)
Max input power before protection		100 W
Environmental working conditions		-10 °C to + 50 °C / 95% relative Humidity non condensing
POWER REQUIREMENTS		
AC Power Input	AC Supply Voltage	230 VAC ±15% monophase ; 400 VAC ±15% threephase
	Active Power Consumption	5147 W
	Overall Efficiency	Typical 68 %
	Connector	ILME CFX 4/2
MECHANICAL DIMENSIONS		
Physical Dimensions	L x H x W	483 mm x 132+132 mm x 695 mm
Weight		about 55 kg
Cooling		Forced, with internal fan
Acoustic Noise		< 78 dBA
INPUTS		
RF Input		50 Ohm (N type)
OUTPUTS		
RF Output		50 Ohm (7/8" EIA flange type)
RF Monitor		50 Ohm (BNC) approx. -60 dBc
FUSES		
On Mains		3 External fuses F16T 10x38 (Threephases 400V) 3 External fuses F20T 10x38 (Threephases 230V) 3 External fuses F25T 10x38 (Monophase 230V)
On Services		1 External fuse F 6,3 T 5 x 20
On AUX Power supply		1 External fuse F 6,3 T 5 x 20
On P.A. Supply		6 Internal fuses F 25 A
On fans Supply		1 Internal fuse F 10 T 5 x 20

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These are general specifications. They show typical values and are subject to change without notice.

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Ordering Information

Code -Codice	Description - Descrizione
Options for PJM-C – Opzioni per PJM-C	
/LD-PJM-C	Low drive power (less than 5W). Bassa potenza di pilotaggio (meno di 5").