

# Solid State Amplifiers

> modular **PJM-C series**

**HOLIDAY**

**PJ5000U-K**



PJ5000U-K 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 abbatta 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

Parameter		PJ5000U-K	Value
<b>GENERALS</b>			
Frequency range		FCC - CCIR - OIRT - JPN - CHN	
Rated output power		5000 W	
Driver power for rated output		70W (typical 50 W)	
Max input power before protection		150 W	
Environmental working conditions		-10 °C to + 50 °C / 95% relative Humidity non condensing	
<b>POWER REQUIREMENTS</b>			
AC Power Input	AC Supply Voltage	230 VAC ±15% monophasic ; 230/400 VAC ±15% threephase	
	Active Power Consumption	7352 W	
	Overall Efficiency	Typical 68 %	
	Connector	ILME CFX 4/2	
<b>MECHANICAL DIMENSIONS</b>			
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	
<b>INPUTS</b>			
RF Input		50 Ohm (N type)	
<b>OUTPUTS</b>			
RF Output		50 Ohm (7/8" EIA flange type)	
RF Monitor		50 Ohm (BNC) approx. -60 dBc	
<b>FUSES</b>			
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		8 Internal fuses F 25 A	
On fans Supply		1 Internal fuse F 10 T 5 x 20	

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.

CE 99/5/CE Revision: 06/13

## Ordering Information

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