

# PJ-KPS-CA PLUG-IN SERIES

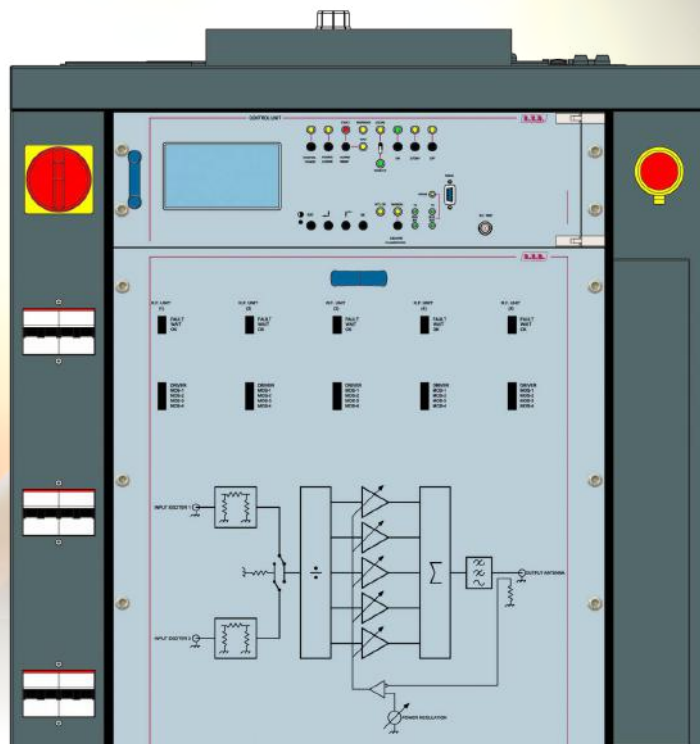
MID/HIGH POWER HOT PLUG

from 3000W to 60.000W

## MODELS

PJ03KPS-CA  
PJ04KPS-CA  
PJ05KPS-CA  
PJ06KPS-CA  
PJ08KPS-CA  
PJ10KPS-CA  
PJ12.5KPS-CA

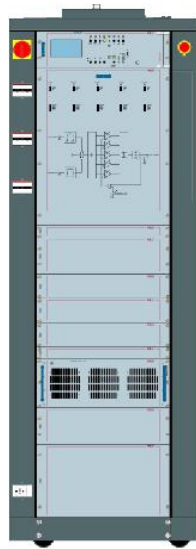
PJ20KPS-CA  
PJ25KPS-CA  
PJ32KPS-CA  
PJ40KPS-CA  
PJ50KPS-CA  
PJ60KPS-CA



- **The most reliable FM broadcasting solution on the market designed for 24/7 non-stop operation.**
- **Capable of Analog and Digital transmission depending on the configuration.**
- **Reduced failure rate thanks to hot plug-in connectors replacing most of the classical wiring.**
- **Over-dimensioned amplifiers modules.**
- **In case of fail, the total power output will not go below -3dB.**
- **Independent and hot-swap amplifier's modules.**
- **Intelligent stand alone hot-swap fan arrays.**
- **Overall efficiency up to 76% depending on the configuration.**
- **N+1 Configuration available for 24/7 business continuity.**
- **Built-in exciter's automatic or manual changeover.**
- **Tunable over the entire FM band 87.5 - 108 MHz, without tuning. Other bands on request.**
- **Remote controls: WEB, SNMP2, GSM, Serial and Complete FM monitoring (option).**
- **Exceeds ETSI/CCIR/FCC requirements regarding RF harmonics and RF spurious.**
- **Compliance to IEC 215 safety standards.**
- **Single phase or three phase power configuration.**

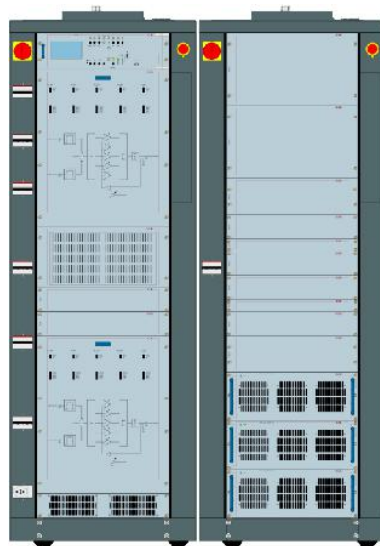
#### **Amplifiers:**

- **Hot Plug-in modules available in 2.300W or 2.500W depending on system's configuration**
- **Independent power supply per each amplifier's module.**
- **Independent fan array per each amplifier's module.**
- **Automatic Power Control.**
- **Advanced protections against high VSWR, overdrive, overcurrent and overtemperature.**



PJ10KPS-CA

10.000W PLUG-IN System.



PJ20KPS-CA

20.000W PLUG-IN system.



PJ60KPS-CA

60.000W PLUG-IN System.



### PJ10KPS-CA

Parameters	U.M.	Value	Notes
<b>GENERALS</b>			
RF Output Power	kW	10,5	
Frequency Range	MHz	87,5 – 108	
Frequency Stability	ppm	> 1	
Class of Emission		180KF8E Direct to Channel	
Stereo transmissions		Acc. to ITU-R / Rec. 450 (Pilot tone)	
RF Output Impedance		50 Ω, Unbalanced	
RF Output Connector		1-5/8" EIA Flange (3-1/8" EIA Flange on request)	
VSWR		1.4:1 with automatic fold-back at higher VSWR	
Asynchronous AM S/N Ratio	dB	Typically > 70	
Synchronous AM S/N Ratio	dB	Typically > 55	
Harmonics suppression and Spurious	dB	Typically < 85	
Overall efficiency	%	Typically > 70	
RF Harmonics		Exceeds ETSI/CCIR/FCC requirements	
RF Spurious		Exceeds ETSI/CCIR/FCC requirements	

### PJ60KPS-CA

Parameters	U.M.	Value	Notes
<b>GENERALS</b>			
RF Output Power	kW	65	
Frequency Range	MHz	87,5 – 108	
Frequency Stability	ppm	± 1	
Class of Emission		180KF8E Direct to Channel	
Stereo transmissions		Acc to ITU-R / Rec 450 (Pilot tone)	
RF Output Impedance	Ω	50	
RF Output Connector		4-7/2" EIA Flange (4-1/2" EIA Flange on request)	
VSWR		1.4:1 with automatic fold-back at higher VSWR	
Asynchronous AM S/N Ratio	dB	Typically > 70	
Synchronous AM S/N Ratio	dB	Typically > 55	
Harmonics suppression and Spurious	dB	Typically < 85	
Overall efficiency	%	Typically > 72-74	
RF Harmonics		Exceeds ETSI/CCIR/FCC requirements	
RF Spurious		Exceeds ETSI/CCIR/FCC requirements	

### ORDERING INFORMATION

Model	Description
<b>PJ03KPS-CA</b>	<b>3.000W</b> PLUG-IN System.
<b>PJ04KPS-CA</b>	<b>4000W</b> PLUG-IN System.
<b>PJ05KPS-CA</b>	<b>5.000W</b> PLUG-IN System.
<b>PJ06KPS-CA</b>	<b>6.000W</b> PLUG-IN System.
<b>PJ08KPS-CA</b>	<b>8.000W</b> PLUG-IN System.
<b>PJ10KPS-CA</b>	<b>10.000W</b> PLUG-IN System.
<b>PJ12.5KPS-CA</b>	<b>12.500W</b> PLUG-IN System.
<b>PJ20KPS-CA</b>	<b>20.000W</b> PLUG-IN System.
<b>PJ25KPS-CA</b>	<b>25.000W</b> PLUG-IN System.
<b>PJ32KPS-CA</b>	<b>32.000W</b> PLUG-IN System.
<b>PJ40KPS-CA</b>	<b>40.000W</b> PLUG-IN System.
<b>PJ50KPS-CA</b>	<b>50.000W</b> PLUG-IN System.
<b>PJ60KPS-CA</b>	<b>60.000W</b> PLUG-IN System.

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**R.V.R. Elettronica S.r.l.**  
Via del Fonditore 2/2  
40138 Bologna - Italy  
Phone +39 0516010506  
sales@rvr.it

**www.rvr.it**