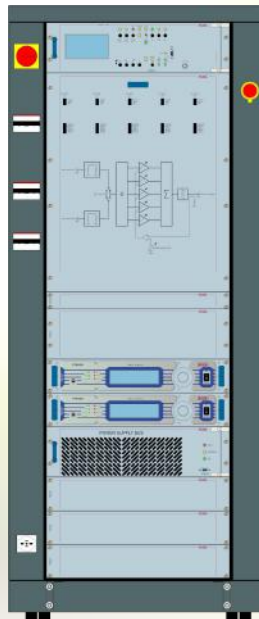


# TX-KSS SERIES

TX-PLUG-IN NEXT GEN

MODEL **TX04KSS**

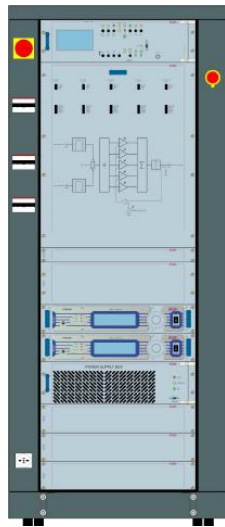


#### ORDERING INFORMATION

Model	Description
<b>TX04KSS</b>	<b>4.000W PLUG-IN system.</b>
<b>TX04KSS/00D44/EPS</b>	Plug-in transmitter, 4kW (composed of PJ4KPS-CA + 2x BLUES30NV) with EPS "Extractable Power Supplies".
<b>TX04KSS/01D44/EPS</b>	Plug-in transmitter, 4kW (composed of PJ4KPS-CA + 2x TEX30LCD/S) with EPS "Extractable Power Supplies".
<b>TX04KSS/20D44/EPS</b>	Plug-in transmitter, 4kW (composed of PJ4KPS-CA + 2x PTX30LCD/S) with EPS "Extractable Power Supplies".
<b>TX04KSS/41D44/EPS</b>	Plug-in transmitter, 4kW (composed of PJ4KPS-CA + 2x PTX30LCDDSP) with EPS "Extractable Power Supplies".
<b>TX04KSS/60D44/EPS</b>	Plug-in transmitter, 4kW (composed of PJ4KPS-CA + 2x PTX30DDS) with EPS "Extractable Power Supplies".
<b>TX04KSS/00S44/EPS</b>	Plug-in transmitter, 4kW (composed of PJ4KPS-CA + BLUES30NV) with EPS "Extractable Power Supplies".
<b>TX04KSS/01S44/EPS</b>	Plug-in transmitter, 4kW (composed of PJ4KPS-CA + TEX30LCD/S) with EPS "Extractable Power Supplies".
<b>TX04KSS/20S44/EPS</b>	Plug-in transmitter, 4kW (composed of PJ4KPS-CA + PTX30LCD/S) with EPS "Extractable Power Supplies".
<b>TX04KSS/41S44/EPS</b>	Plug-in transmitter, 4kW (composed of PJ4KPS-CA + PTX30LCDDSP) with EPS "Extractable Power Supplies".
<b>TX04KSS/60S44/EPS</b>	Plug-in transmitter, 4kW (composed of PJ4KPS-CA + PTX30DDS)with EPS "Extractable Power Supplies".

#### OPTION

<b>/N+1 PSL</b>	An additional power supply can be turned on so in the event of a power supply failure there will be no reduction in power.
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**TX04KSS/60D44/EPS**

Plug-in transmitter, 4kW  
(composed of PJ4KPS-CA + 2x PTX30DDS)  
with EPS "Extractable Power Supplies".

**FEATURES**

- Tunable over entire FM band (87.5 – 108 MHz), without tuning.
- Overall efficiency better than 71-73%.
- Hot-pluggable and broadband power amplifier modules.
- High redundancy guaranteed.
- Each amplifier module provides Automatic Power Control.
- Each module has its own hot plug-in fans set.
- Suitable for mono & stereo broadcast operations.
- Protection against high VSWR, overdrive, overcurrent and overtemperature.
- Compliance to IEC safety standards.
- Compliance to ETSI – CCIR – FCC standards.
- Entire transmitter can be switched off through an emergency button.
- All measurement and working parameters are displayed on front panel.
- Remotely controllable by telemetry system.
- Design for 24/7 non-stop operation.
- The transmitter include an integrated system for automatic and manual switching between two exciters. In Automatic mode the changeover is activated when active power of exciter falls below 3dB.

## EPS:

- Each power supply "PS" can be removed or plugged without turning off the transmitter.
- The transmitter is capable of generating an output power with ample margin thanks to oversized power supplies.
- By installing an additional PS, the transmitter will operate at full power in the event of a single PS failure, eliminating the need for derating.
- Each PS features an automatic magnetic switch preventing short circuits and ensuring uninterrupted signal broadcasting.
- The power stream generated by these PS are distributed in parallel to all RF modules; consequently if one power supply fails all RF modules maintain balanced operation.
- The transmitter's CCU oversee continuously the operational status of each individual power supply.
- In the event of a failure the "ECM" electronic control module will optimize the transmitter efficiency.
- In an empty slot an additional power supply can be turned on so in the event of a power supply failure there will be no reduction in power. It is a N+1 PLS system . Only from 4 to 10kW(option)

### TX04KSS/60D44/EPS

Parameters	U.M.	Value	Notes
<b>GENERALS</b>			
RF Output Power		4kW + 10%	
Frequency Range	MHz	87,5 – 108	
Driver power for rated output	W	30	
VSWR		1.4:1 with automatic fold-back at higher VSWR	
Asynchronous AM S/N Ratio		Typically >70dB	
Synchronous AM S/N Ratio		Typically > 55dB	
Harmonics suppression and Spurious		Typically <85db	
RF Harmonics		Exceeds ETSI/CCIR/FCC requirements	
RF Spurious		Exceeds ETSI/CCIR/FCC requirements	
Environmental working conditions		-10 °C to + 50 °C / 95% relative Humidity non condensing	
<b>POWER REQUIREMENTS</b>			
AC Power Input	AC Supply Voltage	400V ±10% AC Three-Phase 3F+N	
		230V ±10% AC Three-Phase 3F+N	
		230V ±10% AC Mono-Phase 50/60 Hz	
	Active Power Consumption	about 5600W	
	Power factor	> 0.95	
	Overall Efficiency	71/73 %	
Connector		Terminal Block Standard	
<b>MECHANICAL DIMENSIONS</b>			
Physical Dimensions	L x H x W	40u 685 mm x 1935 mm x 1000 mm	
		32u 685 mm x 1620 mm x 1000 mm	
Weight		about 240 kg	
Cooling		Forced, with internal fan	
Acoustic Noise		< 75 dBA	
<b>OUTPUTS</b>			
RF Output		50 Ohm (7/8 or 1+5/8" EIA flange type)	

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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