





Completely solid state. As it is made with modular technique, it is easier to repair.

Broadband technology in the coverage from 2 to 30 MHz with instantaneous change of the working frequency and a resolution of 1 Hz.

Appropriate for military, civil, aeronautical and maritime communication use, either on boat or coast station.

The transmitter can continue to operate even with one module (1250 W) out of service.

Frequency range 2 to 30 MHz

Output power 10000W

Telephony and data communication

Memorizes up to 255 channels

Remote control via Ethernet or RS-232-C

Voice over Ip (VoIP) or input line 600  $\Omega$ 





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## **TECHNICAL CHARACTERISTICS**

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10000W ±1dB Rated power Completely designed in solid state (8 \* 1250 W) Possibility of operating in reduced powers Remote control through Ethernet or bus RS-232-C Number of channels to memorize 255 Supported standards VoIP, 10/100BaseT, SIP/IP, TCP/IP, HTTP Operates in all modes: Telegraphy Voice Data **NAVTEX** SWR tolerance Full power ≤ 2:1 Reduced power ≤ 3:1 Made of aluminium able to work in seacoast areas with extreme temperatures and humidity

#### **ELECTRICAL SPECIFICATIONS**

Voice over Ip (VoIP) or input line 600  $\Omega$ 

Working frequency		2 - 30 MHz.	
Frequency resolution		1 Hz.	
Frequency stability Optional Optional		±0.5ppm ±0.01ppm ±0.001ppm	
Output power		10000W ±1dB	
Power regulation:		-3dB -6dB -10dB	
Wattmeter (incident/reflected	Incorporated		
Power amplifiers	Solid state		
Radiated harmonics	-60dB		
Spurious according to	MIL-STD-188-141B		
Intermodulation (2 tones)	-36dB at pep		

Output impedance	50 Ω				
Output connector RF:	1-5/8" (female)				
Broadband designed without frequency tuning					
Working regime	Continuous				
Transmission modes	J3E, J2A, J2B, H3E, A1A, F1B, ISB				
Frequency response	300 - 3050 Hz				
Ripple band	±0.2dB				
Carrier attenuation:					
J3E	-60dB				
H3E	-6dB				
TUNE	-10dB				
Not desired side band attenuation	-60dB				
ON/OFF relation (A1A, J2A)	-60dB				
Microphone inputs	Asymmetric				
Micro PTT input	Connected to ground				
Line input	Symmetric/Asymmetric				
Line input impedance	600 Ω				
Adjustable input level	0dBm (nominal)				
Audio response	250/4000 Hz				
Line compression	20dBm				
PTT input line	Connected to ground				
Data PTT through line	Connected to ground				
Line compressor in data	0dBm. to +6dBm				
Keyer input	Connected to ground				
Keying modes	J2A, A1A				
Bite	Individual by modules General by software				
MTBF	10000 hours (estimated)				
MTTR	60 minutes				
Protection	To elevated SWR				



## **TECHNICAL CHARACTERISTICS**

#### **POWER SUPPLY SPECIFICATIONS**

Three phased Delta 195 - 305 Ac 50/60Hz
Wye 340 - 530 Ac 50/60Hz

Consumed power in transmission <35 Kva

#### **ENVIRONMENTAL SPECIFICATIONS**

Operation temperature	0 to 50°C	
Storage temperature	-30 to 80°C	
Humidity	95%	

#### **MECHANICAL SPECIFICATIONS**

External dimensions:

Width
Height
Depth

Width
4200mm
800mm

Fabrication

Anticorrosive aluminium

Total weight

650Kg

**NOTE:** Invelco, s.a. is the manufacturer of this equipment and may modify some technical specifications at the request of the buyer.

Specifications are subject to change without notice or obligation previous. April 2021









