

Portable Radio Station P500 - Technical Data

TYPE OF STATION		P502	P504	P505
GENERAL				
Operating mode		Simplex		
Frequency range		68 - 88 MHz	146 - 174 MHz	378 - 470 MHz
Number of channels		1000		
Channel separation		25 kHz (12.5 kHz as option)		
Frequency stability		± 1.35 kHz	± 2 kHz	± 2 kHz
Selective call		CCIR, ZVEI, ZVEI-S, EEA, DTMF and CTCSS		
Antenna impedance		50 Ohm TNC-connector		
Operation time		1 W	16 hours	
5% transmitting, 5% receiving		2.5 W	13 hours	
90% standby (1500mAh battery)		5W	10 hours	
Weight including 1500mAh battery		495 g		
Dimensions		67 x 167 x 32 mm (WxHxD) with 1500 mAh NiMH battery		
Operating temperature range		-25°C to +55°C		
Standards		Meets or exceeds ETS 300 086, ETS 300 219, ETS 300 279, IEC 60529 (IP54)		
Battery type and capacity		NiCd (1000 mAh), NiMH (1500 mAh) or Li-ion (1150 mAh)		
TRANSMITTER				
Output power		1 - 5 W		
Current transmitting		1 W	0.5 A – 1.2 A	
		5 W	1.5 A – 2.35 A	
Switching bandwidth		Full band	Full band	20 MHz
Microphone sensitivity and impedance		5 mV / 2 kohm		
Adjacent channel power		Better than -70 dBc for 25 kHz channel separation		
Spurious radiation		30 MHz – 1 GHz	Less than -36 dBm	
		1 GHz – 4 GHz	Less than -30 dBm	
RECEIVER				
Sensitivity ½ EMK 12 dB SINAD		Better than -116 dBm	Better than -116 dBm	Better than -114 dBm
Typically sensitivity		-117 dBm	-117 dBm	-117 dBm
Switching bandwidth		20 MHz	28 MHz	20 MHz
Intermodulation rejection		Better than -65 dB		
Spurious and image rejection		Better than -70 dB for 25 kHz channel separation		
Audio output power		600 mW (400 mW for external speaker)		
Current standby		< 43 mA		
Spurious radiation		30 MHz – 1 GHz	Less than -57 dBm	
		1 GHz – 4 GHz	Less than -47 dBm	

Telenor products are under continues development. We therefore reserve the right to change technical data or to modify the equipment without prior notice.



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