

## VHF Transceiver Portable

General		
Frequency Range	118.000 MHz ... 136.975 MHz , 25 kHz increments	
Frequency response	300-3400 Hz @ AM 25 KHz	
Channel Spacing	25 kHz channel spacing, free selectable	
Nominal voltage battery charger	2 <sup>∞</sup> 0 V AC, 50Hz...60Hz	
Nominal voltage transceiver	11... 16.5 V DC	
Operating Temperature	-20°C ... +55°C / +70°C	
Dimensions	Portable , Lightweight (incl. handle)	
Battery	Built in rechargeable Battery	
	Low battery indication and beep alert	
Battery life	At least 2 hours working @ full power	
Transmitter & Receiver		
TX Output power	≥ 10 Watt / 50Ω	
TX Modulation	Amplitude modulation, AM (A3E)	
Depth of modulation	≥ 75%	
TX Time out timer	>2 MIN continuous keying, the Transmitter is discounted automatically and the radio display flashes as warning	
Number of memory channels	≥ 10 channel memory with at least 6 characters names	
LCD display	shall be available with multifunction alphanumeric with backlight	
Radio Programming facility	Full keypad or scroll / select switch to input the channel or frequency direct	
BITE warning	VSWR, Voltages, Currents, Levels, Lock detect, Temperature, Output power	
RX Squelch Type	Automatic Adjustable and manual override.	
RX Audio output ( speaker)	Built-in Loudspeaker with adjustable voice level	
Vice accessories required for each VHF transceiver	QTY	
	Microphone with push to talk	1
	Additional battery	1
Sockets to connect at each VHF transceiver	External DC supply	
	Dynamic Microphone , push to talk switch	
	Headset	
	Wall charger	
	50 ohm Antenna	
Antenna Mismatching	VSWR ≤ 3 : 1, normal operation	

<b>General Features</b>	
Number of VHF transceiver portable required	Three VHF portable transceiver with full voice accessories and Carry-on bag for each radio
Manufacture	Brand name manufacture ( European or American ). Any other Supplementary, auxiliary equipment or materials shall be quality certified by the main system provider (manufacturer).
Warranty	2 years min after delivery of system is required.
Manuals	User manual with each radio
Price	Offers shall be itemized (per item quotation), any item quantity could be reduced increased or cancelled as seen appropriate by CARC.