



DEM L23HP and L33HP High Power 23/33 cm Transverters

The newest version of Down East Microwave's 23 and 33 cm Transverters are now available. This is a complete new design in a new but smaller package utilizing the latest in MMIC and SAW filter technology coupled with a standard low phase noise synthesizer for frequency accuracy and stability. This technology allows us to offer this design as a "Complete Kit" version with its simplified assembly and "No-Tune" function.



Plus, it offers the ability to change the IF frequency range (28 or 144 MHz) at any time. The new design also includes other improvements over past versions by offering a 4 step sequencer, bypass control of an external mast mount LNA if desired, and remote DC power control. All of this with a standard 25 watt output power level.

What is the same as the past is the RF and IF configurations and drive level options. The transverter may be configured with common or split IF at any drive level between -20dBm to 10 Watts. This can be changed easily at any time. All IF connections are made through standard BNC connectors.

The RF configurations are separate TX and RX ports or a common RF. An on board relay is standard and may be reconfigured at any time. The RF ports are type N connectors only. Keying the transverter is done by either a voltage (PTT-H) or a ground on transmit (PTT-L) through the AUX connector which also houses the Sequencer outputs along with other switching functions. Plus- All DC and AUX connections are supplied.

Basic Specifications for All Models

Noise Figure and Gain:	<1.0 dB NF, > 17 dB Gain
Power Output:	>25 Watts adjustable to lower levels
TXIF Drive level:	-20dBm to 10 watts maximum
DC Power requirements:	13.8 VDC nominal.
DC Current drain:	10 Amps maximum.
Physical size:	6.5" W x 6.25" L x 4" H

Order your assembled version transverter by specifying the **L23HP** for 1296 MHz or **L33HP** for 902/903 MHz. For complete kits order the **L23/33HPCK**