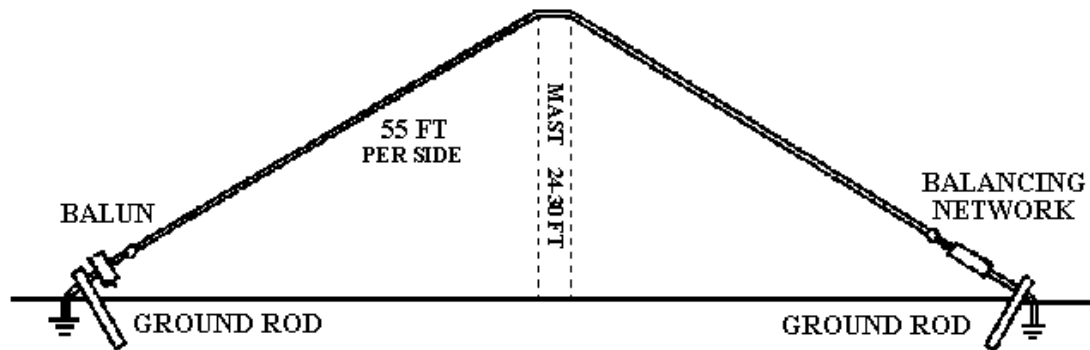


B & W**BARKER & WILLIAMSON***Antennas, Masts and Accessories for HF Radio*

www . bwantennas . com

ACS / ACI End-Fed Vee Broadband HF Antennas Roof Top Use - ALE and NVIS Compatible



- **Full range HF broadband antenna**
- **Operate 1.8-30 Mhz with < 2:1 SWR *without a Coupler* in only 100 feet**
- **1 KW power handling capability**
- **Combination short and long range from one antenna**
- **Inverted Vee or sloper configurations**
- **Excellent for roof-top applications**
- **Field proven for over 25 years**

This antenna is well suited to permanent base use, particularly roof top. The grounded configuration will take advantage of the metal found in metal decked and concrete/rebar roofs, using it as a reflector. It offers fully automatic, low SWR operation over the entire HF band without need for an antenna tuner/coupler. It is frequency agile, and will operate continuous ALE or frequency hopping. It will propagate excellent short, medium or long range.

Besides impressive performance transmitting, this antenna design also delivers excellent reception. The superior signal to noise ratio and high impedance terminator allows reading the weakest signals that other antennas would lose in the background noise. The design also incorporates automatic bleed off of static noise from wind and thunderstorms.

Available with stainless steel wire, or camouflaged with PVC coated super flexible wire. Support with our MK112 series of roof mount masts. Please note that this antenna requires a good ground connection to operate. A counterpoise wire will run under the antenna (included).

Whatever your mission profile, we have an HF antenna for you.

6025 Technology Dr, W Melbourne, FL 32904 USA • Tel (321) 676-8354 • Fax (321) 445-6031

ANTENNA P/N SELECTION

ACS antennas are made with stranded stainless steel wire. They may be used for permanent base or rear tactical situations.

ACI antennas are made with very fine stranded copper wire, with a colored PVC jacket. They are fully camouflaged. They may be used for rear tactical situations.

Use our MK112 Mast Kits for support.

Model	Wire	Color
ACS-110N	Stainless Steel	White
ACI-110N-S	PVC Insulated Copper	Sand
ACI-110N-G	PVC Insulated Copper	Green

SPECIFICATIONS

Electrical

Frequency Range (no coupler/tuner) 1.8 - 30 Mhz

VSWR (without a coupler/tuner)

1.8 - 3 Mhz < 2:1

3 - 30 Mhz < 1.6:1

RF Power Rating (output PEP CW/SSB ICAS) .. 1000 Watts

Input Impedance 50 Ohms

Radiation Pattern Omnidirectional

Polarization

Inverted Vee Combination Horizontal and Vertical

Sloper Combination Horizontal and Vertical

Environmental

Temperature (Operating) -40° to +55° C

Wind 150 MPH

Ice (ACS Only) 80 Lbs

Mechanical

RF Connector N Connector

Height 24 - 30 Ft apex inverted vee

Weight Deployed 7 Lbs

Wire Length 110 Ft