

Transportable Ka-Band Antennas



- ISO 9001:2008 Certificate of Registration
- Tx Cross-Polarization Isolation of 25dB (within 1dB B/W) or better.
- Excellent Tx Port to Port Isolation of 90dB or better.
- Meets or exceeds regulator agency requirements.
- System designed for typical Ka-band RF Electronics.
- All Materials Comply with EU Directive No. 2002/95/EC (RoHS)
- 720 Hour Salt Spray Hardware

The **Skyware Global Transportable Ka-Band Antenna** is a rugged, commercial quality product suitable for the most demanding applications. These antennas offer cost effective mobile solutions for satellite access.

- The reflector is constructed from light weight composite for strength and accuracy. A proprietary process developed by Skyware Global ensures high RF reflectivity as needed for Ka-Band operation.
- The precision Az/EI mount is made of light weight aluminum for excellent corrosion resistance. This mount includes special features to increase pointing accuracy with low backlash and lockdown error.
- All hardware is plated to 720 hour salt spray standards under ASTM B-117.
- Designed for use with the Skyware Global line of Ka-band feed assemblies.
- Optional Solar Panel with Rechargeable Battery 120/240V



Antenna Size	74CM	98CM	1.2M
Electrical Performance			
Operating Frequency (Ghz)			
Receive	19.2-20.2	19.2-20.2	19.2-20.2
Transmit	29.5-30.0	29.5-30.0	29.5-30.0
Midband Gain (+/- .3 dB)			
Receive (@30Ghz)	42.4 dBi	44.3 dBi	46.0 dBi
Transmit (@20Ghz)	45.3 dBi	45.3 dBi	49.3 dBi
Polarization			
Receive	Circular (RH or LH) or Linear		
Transmit	Circular (RH or LH) or Linear		



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• PRODUCT SPECIFICATIONS

Transportable Ka-Band Antennas

Mechanical Performance

Reflector Material	Light Weight Composite
Reflector Type	One Piece
Antenna Travel Range - Manual Hand Crank	
Azimuth	360° Endless
Elevation	0°/+90°
Antenna Travel Range - Motorised	
Azimuth	360°
Elevation	
74cm, 98cm, 1.2m	200°
1.8m	90°
Packaging	Airline Compatible Cases
Weight without Cases	
Mechanism	
74cm	16
98cm	22
1.2m	26
Reflector	
74cm	12
98cm	16
1.2m	18

Environmental Performance

Wind Loading	
Operational	75 km/h
Gusting	125 km/h (with additional pads and the antenna at 85° elevation)
Operational Temperature	-30° to +60°
Storage Temperature	-40° to +70°
Rain (Operational)4"/hr (10cm/hr)
Rain (Survival)6"/hr (15cm/hr)
Ingress Protection Rating	IP65

Solar Panel with Rechargeable Battery (optional)

Electrical Performance

Max AC Output Power	1500W
AC Output Volatage	230V (110V optional)
AC Output Frequency	50 Hz
Inverter Type	Pure Sinus
Solar Module	60 Wp
Internal Battery	Sealed
Internal Battery Capacity	100 Ah
Internal Battery Voltage	12V
Solar Charge Controller	20A
Nominal Max Solar Input	240W
Solar Connector	MC4
MPPT Voltage	12V-63V
Automobile Lighter	12V
Outlet Voltages	5V

Mechanical Performance

Dimensions	41 x 45 x 36 cm
Weight	55 kg

- Solar Panel with Rechargeable Battery



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