**Transportable Ka-Band Antennas**

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.

- 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 Rechargable Battery 120/240V

<table>
<thead>
<tr>
<th>Antenna Size</th>
<th>74CM</th>
<th>98CM</th>
<th>1.2M</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Electrical Performance</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Frequency (Ghz)</td>
<td>19.2-20.2</td>
<td>19.2-20.2</td>
<td>19.2-20.2</td>
</tr>
<tr>
<td></td>
<td>29.5-30.0</td>
<td>29.5-30.0</td>
<td>29.5-30.0</td>
</tr>
<tr>
<td>Midband Gain (+/- .3 dB)</td>
<td>42.4 dBi</td>
<td>44.3 dBi</td>
<td>46.0 dBi</td>
</tr>
<tr>
<td></td>
<td>45.3 dBi</td>
<td>45.3 dBi</td>
<td>49.3 dBi</td>
</tr>
<tr>
<td>Polarization</td>
<td>Circular (RH or LH) or Linear</td>
<td>Circular (RH or LH) or Linear</td>
<td>Circular (RH or LH) or Linear</td>
</tr>
<tr>
<td>Receive</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transmit</td>
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</tbody>
</table>
### 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 → 1.6 kg, 98cm → 2.2 kg, 1.2m → 2.6 kg
- **Reflector**: 74cm → 1.2 kg, 98cm → 1.6 kg, 1.2m → 1.8 kg

**Environmental Performance**

- **Wind Loading**: 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

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#### Solar Panel with Rechargeable Battery (optional)

**Electrical Performance**

- **Max AC Output Power**: 1500W
- **AC Output Voltage**: 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

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**Solar Panel with Rechargeable Battery**

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**Satcom Solutions for the Long Haul**

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**Skywave Global**

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