

The Phoenix 23 ~ \$1,850

The World's First Solar Powered Globalstar Tag for Birds ~ If You Have Sky, You Have Coverage



- ▶ 23 grams
- ▶ No External Antennas
- ▶ Solar Powered For Long Operational Life
- ▶ Internal 56-Channel GPS Engine; Uplink via Globalstar Satellite System
 - Heading, Altitude, and Speed Recorded With Each GPS Fix
- ▶ Truly Real-Time Data From Field To Web
- ▶ Accelerometer Readings in 1, 5, or 10 Hz Bursts
- ▶ Field Downloadable & Reprogramable Without Recapture Via Bluetooth link
- ▶ Temperature and Accelerometer included
- ▶ Geofences Available



LOGGING SPECIFICATIONS

GPS fixes per day:	1 to 48, based on solar charging conditions
Memory:	16 MB

UPLINK TRANSMIT SPECIFICATIONS

Frequency:	1611.25 MHz (Channel A) 1616.25 MHz (Channel C)
Frequency Select:	Automatic (from GPS location)
Power:	18 dBm, ± 2 dB

GPS RECEIVER SPECIFICATIONS

Receiver Type:	56-Channel, u-Blox 7 engine
Datum:	WGS84
Receiver Accuracy:	2.5 m CEP
Antenna:	Dual band F flat patch

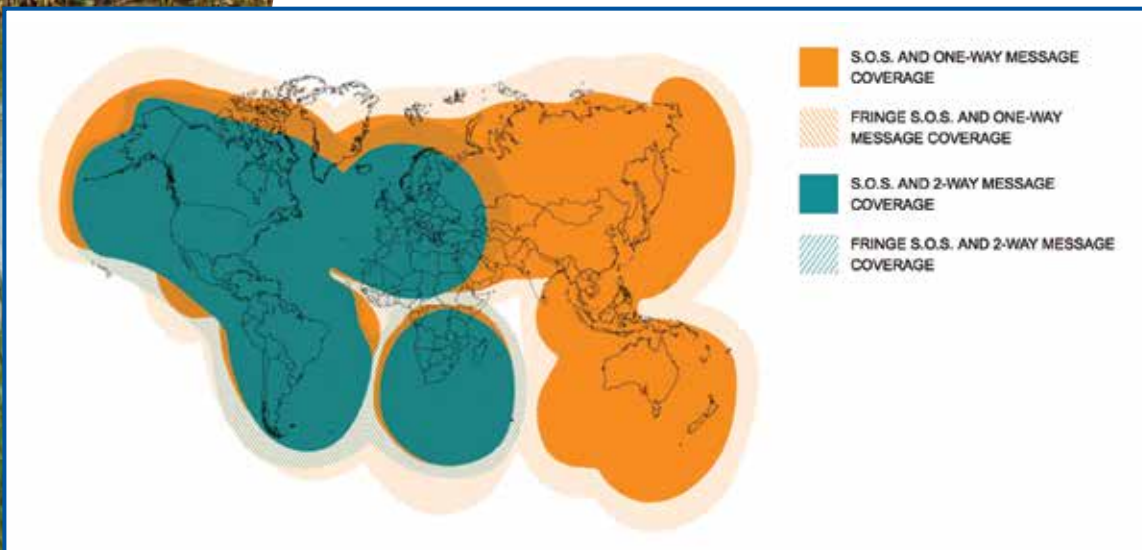
GENERAL SPECIFICATIONS

Weight:	19 grams
Dimensions	55mm x 29mm x 18mm
Material:	glass-filled nylon
Battery:	110 mA-h High Discharge Li-Po
Operating Temperature:	-10°C to +50°C



Built-In Solar Cell & Charging Circuit • No External Antenna
Rechargeable Li-Polymer Battery • Nitrogen Filled Enclosure





The Phoenix 28 ~ \$1,850

The World's First Solar Powered Globalstar Tag for Birds ~ If You Have Sky, You Have Coverage



- ▶ 28 grams
- ▶ No External Antennas
- ▶ Solar Powered For Long Operational Life
- ▶ Internal 56-Channel GPS Engine; Uplink via Globalstar Satellite System
 - Heading, Altitude, and Speed Recorded With Each GPS Fix
- ▶ Truly Real-Time Data From Field To Web
- ▶ Accelerometer Readings in 1, 5, or 10 Hz Bursts
- ▶ Field Downloadable & Reprogramable Without Recapture Via Bluetooth link
- ▶ Temperature and Accelerometer included
- ▶ Geofences Available



LOGGING SPECIFICATIONS

GPS fixes per day:	1 to 48, based on solar charging conditions
Memory:	16 MB

UPLINK TRANSMIT SPECIFICATIONS

Frequency:	1611.25 MHz (Channel A) 1616.25 MHz (Channel C)
Frequency Select:	Automatic (from GPS location)
Power:	18 dBm, ± 2 dB

GPS RECEIVER SPECIFICATIONS

Receiver Type:	56-Channel, u-Blox 7 engine
Datum:	WGS84
Receiver Accuracy:	2.5 m CEP
Antenna:	Dual band F flat patch

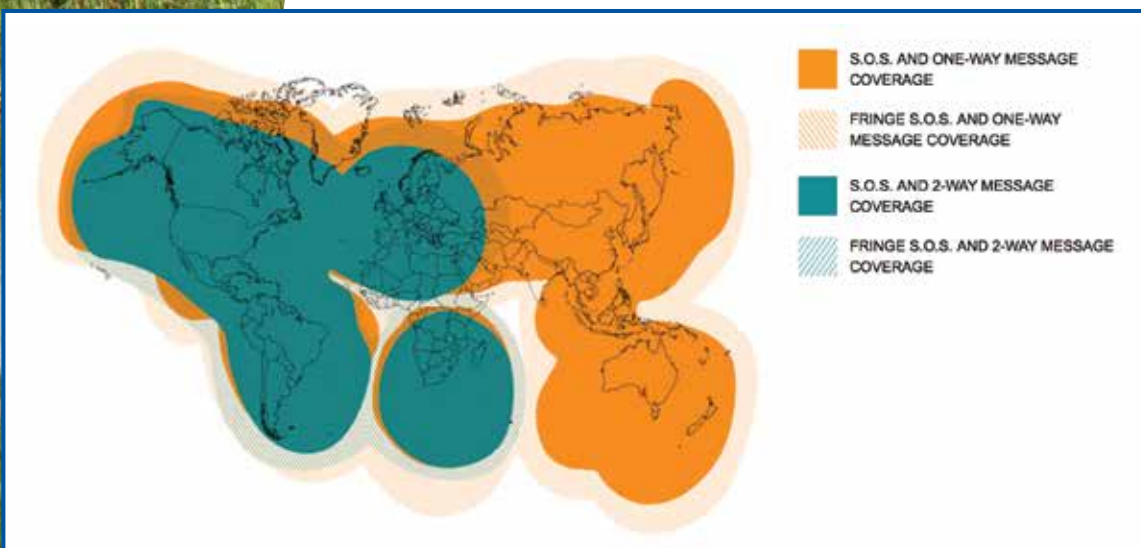
GENERAL SPECIFICATIONS

Weight:	28 grams
Dimensions	61mm x 29mm x 20mm
Material:	glass-filled nylon
Battery:	350 mA-h High Discharge Li-Po
Operating Temperature:	-10°C to +50°C



Built-In Solar Cell & Charging Circuit • No External Antenna
Rechargeable Li-Polymer Battery • Nitrogen Filled Enclosure





The Phoenix 40 ~ \$1,850

The World's First Solar Powered Globalstar Tag for Birds ~ If You Have Sky, You Have Coverage



- ▶ 40 grams
- ▶ No External Antennas
- ▶ Solar Powered For Long Operational Life
- ▶ Internal 56-Channel GPS Engine; Uplink via Globalstar Satellite System
 - Heading, Altitude, and Speed Recorded With Each GPS Fix
- ▶ Truly Real-Time Data From Field To Web
- ▶ Accelerometer Readings in 1, 5, or 10 Hz Bursts
- ▶ Field Downloadable & Reprogramable Without Recapture Via Bluetooth link
- ▶ Temperature and Accelerometer included
- ▶ Geofences Available



LOGGING SPECIFICATIONS

GPS fixes per day:	1 to 48, based on solar charging conditions
Memory:	16 MB

UPLINK TRANSMIT SPECIFICATIONS

Frequency:	1611.25 MHz (Channel A) 1616.25 MHz (Channel C)
Frequency Select:	Automatic (from GPS location)
Power:	18 dBm, ± 2 dB

GPS RECEIVER SPECIFICATIONS

Receiver Type:	56-Channel, u-Blox 7 engine
Datum:	WGS84
Receiver Accuracy:	2.5 m CEP
Antenna:	Dual band F flat patch

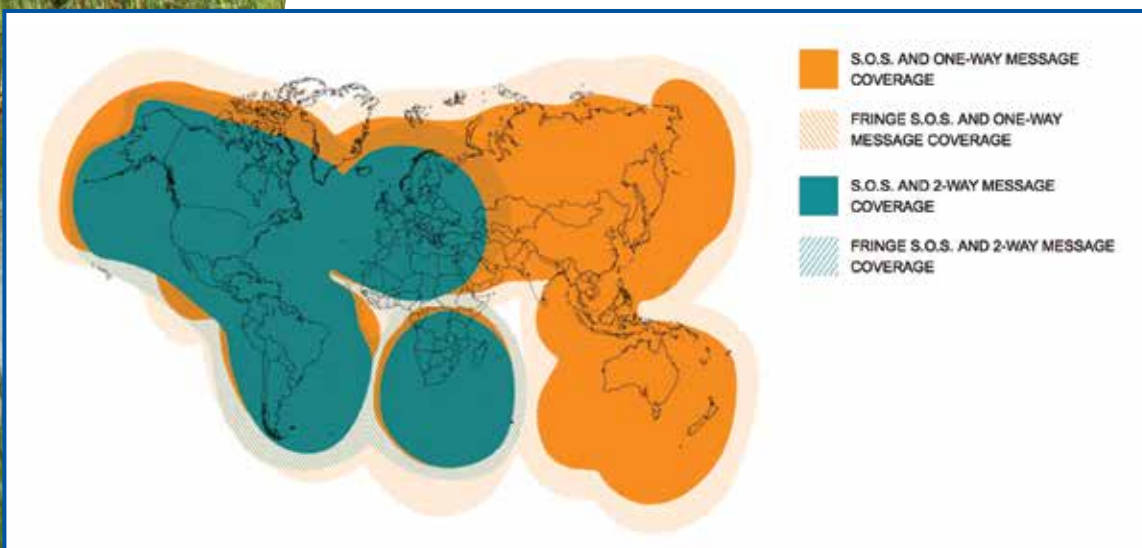
GENERAL SPECIFICATIONS

Weight:	40 grams
Dimensions	66mm x 33mm x 24mm
Material:	glass-filled nylon
Battery:	350 mA-h High Discharge Li-Po
Operating Temperature:	-10°C to +50°C



Built-In Solar Cell & Charging Circuit • No External Antenna
Rechargeable Li-Polymer Battery • Nitrogen Filled Enclosure





The Phoenix Ungulate Ear Tag ~ \$1,850

The World's First Solar Powered Globalstar Ear Tag for Ungulates ~ If You Have Sky, You Have Coverage

- ▶ 50 grams (can be made smaller)
- ▶ No External Antennas
- ▶ Solar Powered For Long Operational Life
- ▶ Internal 56-Channel GPS Engine; Uplink via Globalstar Satellite System
 - Heading, Altitude, and Speed Recorded With Each GPS Fix
- ▶ Truly Real-Time Data From Field To Web
- ▶ Accelerometer Readings in 1, 5, or 10 Hz Bursts
- ▶ Field Downloadable & Reprogramable Without Recapture Via Bluetooth link
- ▶ Temperature and Accelerometer included
- ▶ Geofences Available
- ▶ Internal heating element for cold weather deployment



LOGGING SPECIFICATIONS

GPS fixes per day:	1 to 48, based on solar charging conditions
Memory:	16 MB

UPLINK TRANSMIT SPECIFICATIONS

Frequency:	1611.25 MHz (Channel A) 1616.25 MHz (Channel C)
Frequency Select:	Automatic (from GPS location)
Power:	18 dBm, ± 2 dB

GPS RECEIVER SPECIFICATIONS

Receiver Type:	56-Channel, u-Blox 7 engine
Datum:	WGS84
Receiver Accuracy:	2.5 m CEP
Antenna:	Dual band F flat patch

GENERAL SPECIFICATIONS

Weight:	50 grams
Dimensions	61mm x 29mm x 18mm
Material:	glass-filled nylon
Battery:	350 mA-h High Discharge Li-Po
Operating Temperature:	-10°C to +50°C

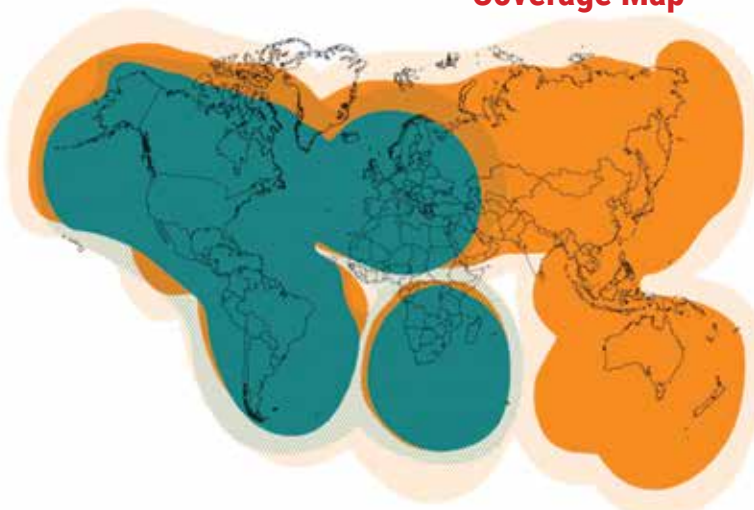
Built-In Solar Cell & Charging Circuit • No External Antenna
Rechargeable Li-Polymer Battery • Nitrogen Filled Enclosure



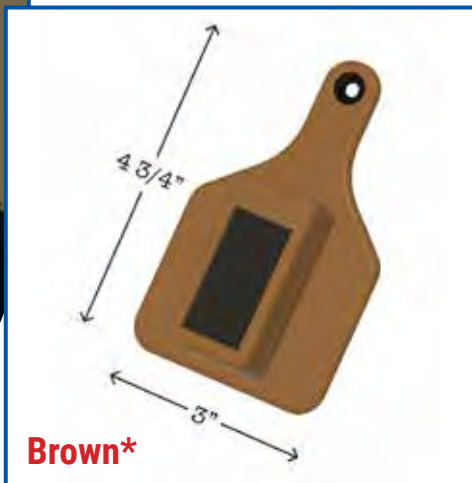
In collaboration with
Patriot



Coverage Map



- S.O.S. AND ONE-WAY MESSAGE COVERAGE
- FRINGE S.O.S. AND ONE-WAY MESSAGE COVERAGE
- S.O.S. AND 2-WAY MESSAGE COVERAGE
- FRINGE S.O.S. AND 2-WAY MESSAGE COVERAGE



***Other Colors Available**



In collaboration with
Patriot