

Silent Informer

PRODUCT GUIDE

Flashing Beacon Trailer FBT-2000

Often integrated as part of an Intelligent Transportation System (ITS), the Flashing Beacon Trailer alerts motorists to upcoming work zones, road conditions, and other hazards.

Sensors placed within the ITS configuration transmit information via short range radio or cellular transceiver to the Flashing Beacon Trailer. When triggered by a specific instance or occurrence, sensors notify the FBT-2000 to activate the flashing beacons.

The Flashing Beacon Trailer can also be deployed as a stand-alone solution. Easy to set up and program, this trailer plays an important role in temporary traffic calming and motorist/work zone safety.



FBT-2000 Beacons installed top/middle. Signs not included.



FBT-2000 INTEGRATION & FEATURES

RECOMMENDED ITS CONFIGURATIONS:

- » Congestion Advisory System
- » Dynamic Merge System
- » Overheight Detection System
- » Vehicle Ingress Notification System
- » Worker Presence Detection System

- » **Truly Solar Powered** - Engineered for continuous operation
- » **Highly visible flashing beacons**
- » **CE Marked** - Insures complete electromagnetic compliance for superb reliability
- » **Custom Sign Case and Door Frame Extrusions** - Sturdy, secure and weathertight
- » **Modular Construction** - Easy maintenance and repair

OPTIONAL REMOTE COMMUNICATIONS*

When choosing this option, the FBT-2000 will come with a GPS receiver, cellular transceiver, and **FREE lifetime cellular service***. Use with SolarTech's Command Center software to track and manage your equipment remotely from a PC, laptop, or smartphone!

TRANSPORTABLE & CUSTOMIZABLE

Built on a sturdy steel trailer, the Flashing Beacon Trailer is easily transportable, and can be set up and ready for use in a few simple steps.

The FBT-2000 uses highly visible flashing LED beacons, which are powered by a combination of solar panels and batteries, providing continuous operation. Flashing intervals can be changed/customized directly on the unit.

The FBT-2000 is available in two configurations: beacons installed on the top and middle section of the trailer; or placed on the left and right side of the regulatory/traffic signs.

Signage is customizable, allowing up to 3 static signs to be mounted on the trailer.

Learn more at www.solartechology.com

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Sign Installation Area

Sign Maximum Width	75" (190 cm)
Sign Maximum Height	75" (190 cm)
Sign Installation Area	
Maximum Sign Area	39 ft ² (3.6m ²)
Panel Size	36" x 29" (92 cm x 74 cm)
Panel Construction	All aluminum, modular construction
Number of Signs	Up to 3 signs

Trailer

Length Overall (Operating)	122" (310 cm)
Length Overall (Towing)	159" (404 cm)
Width Overall	75" (191 cm)
Width Across Fenders	75" (191 cm)
Height Traveling	95" (241 cm)
Height Operating	181" (460 cm)
Ground Clearance	13" (33 cm) min.
Weight	1,600 lbs (726 kg) approximately
Coupler	2" (50 mm) ball or 3" (76.2 mm) pintle ring
Axle Suspension	Torq flex, independent
Display Height	7 feet (213 cm) to bottom of sign area

Beacon Lamps

Type of Lamps	12" circular yellow LED lamps
Number of Beacon Lamps	Two (2)
Display Technology	LED (amber, 589 nm)
LED Life Expectancy	100,000 hours
Flash Rate	50-60 per minute, configurable

Energy Source

Operating Voltage	12 volts DC (nominal)
Battery Type	6 volt heavy duty, deep cycle (GC-2) protected by anti-theft steel security frame and hardware
Number of Batteries	Two (2) lead acid (flooded)
Battery Bank Capacity	260 amp hours
Battery Status Indicator	Displays battery voltage, charging activity and low battery condition
Solar Array Construction	Top mounted in aluminum frame
Solar Array Power Output	Standard 110 watt (nominal)
Solar Charge Controller	Automatic, temperature compensated, MPPT (Maximum Power Point Tracking)

Controller Options

MicroTech Controller: Offers a touchpad interface with an easy to manage menu. Backlit 4 x 20 character LCD screen. NTCIP version 3 compatible; fully networkable

MegaTech Controller: Offers a backlit full color 10.4" touchscreen controller with a simple one-page user interface. NTCIP version 3 compatible; fully networkable

Remote Communications Option: Used for remote communication/control, scheduling, as well as sensor triggering. Locate your unit on a map or list, see battery voltage, and receive notifications if a unit moves, a pixel fails, and much more!

**With this option, cellular service is provided free of charge, and is limited to carrier supported generational wireless technology.*

Static Signs

Talk to your Sales Rep about the range of static signs available. Signs can be purchased through Solar Technology, Inc. and installed on the trailer in our facility, or by the customer after delivery.

Battery Upgrades

Type	Number	Capacity
Lead-Acid (flooded)	Four (4)	520 amp hour
	Six (6)	780 amp hour
	Eight (8)	1040 amp hour
Gel Cell or AGM (maintenance-free)	Two (2)	260 amp hour
	Four (4)	520 amp hour
	Six (6)	780 amp hour
	Eight (8)	1040 amp hour

Solar Array Power Output

- » 160 Watt
- » 220 Wat

Short Range Radio Control

- » Used for point-to-point communication

Battery Charger Options

- » 45 amp, 120 volt AC
- » 55 amp, 120 volt AC

Security Option

- » Anti-theft steel battery frame bolted to trailer
- » Vandal-proof battery box with reinforced steel cage

Signage is customizable, allowing up to 3 static signs to be mounted on the trailer. The maximum height and width of the signs should not exceed 75 inches (190 cm). Static signs can be installed by the user, or can be ordered and installed by the SolarTech team.



FBT-2000
Side view,
no signs
installed



FBT-2000
Folded for
Transport

Custom Colors Available

Learn more at www.solartechology.com