



# Silent Informer Flashing Beacon Trailer FBT-2000

## USES AND ADVANTAGES

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.

ITS solutions where an FBT-2000 integration is recommended include:

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

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/workzone safety.

## TRANSPORTABLE AND 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. 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.

## REMOTE COMMUNICATIONS OPTION

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

## FLASHING BEACON TRAILER FEATURES:

- 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



# Silent Informer Flashing Beacon Trailer

## SIGN INSTALLATION AREA

Sign Maximum Width.....	75" (190 cm)
Maximum Height.....	75" (190 cm)
Sign Installation Area	
Maximum Sign Area.....	25 ft <sup>2</sup> (2.3m <sup>2</sup> )
Panel Size .....	36" x 29" (92 cm x 74 cm)
Panel Construction.....	All aluminum, modular construction
Number of Signs .....	Up to 3 signs

## 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

## TRAILER

Length Overall (Operating).....	148" (376 cm)
Length Overall (Towing).....	154" (391 cm)
Width Overall .....	56" (142 cm)
Height Traveling.....	97" (246 cm)
Ground Clearance .....	13" (33 cm) min.
Height Operating.....	185" (470 cm)
Weight.....	1,200 lbs (544 kg) approximately
Coupler .....	2" (50 mm) ball or 2.5" (64 cm) pintle ring
Axle Suspension .....	Torq flex, independent
Display Height.....	7 feet (213 cm) to bottom of sign area

## 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)

**FBT-2000**  
FOLDED FOR TRANSPORT



**FBT-2000**  
SIDE VIEW, NO SIGNS  
INSTALLED

Custom  
colors  
available

## OPTIONS AND UPGRADES

### REMOTE COMMUNICATIONS OPTION with MEGA TECH CONTROL CONSOLE

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!

### 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

### BATTERY CHARGER OPTIONS

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

### SOLAR ARRAY POWER OUTPUT

- 160 Watt
- 220 Watt

### SHORT RANGE RADIO CONTROL

Used for point-to-point communication.

### SECURITY OPTION

- Anti-theft steel battery frame bolted to trailer
- Vandal-Proof Battery Box with reinforced steel cage.



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