

# Silent Messenger

## Double-Sided Message Board

The “Silent Messenger” Double-Sided Message Board is ideal for directing traffic from two different directions.

Model MB-122-3048 has two sign panels on a lift and rotate mast. The sign panels can be angled from parallel to 45 degrees. The sign is powered by a combination of solar panels and batteries for reliable performance.

## OPTIONAL REMOTE COMMUNICATIONS

When choosing this option, your Double-Sided Message Board will come with a GPS receiver, a cellular transceiver, and **FREE lifetime cellular service\***.

Use with SolarTech’s Command Center software to track your equipment.

Manage your fleet from your laptop, PC, or smartphone... without leaving your desk!

Access units from a map or list. Control units individually or broadcast to a group.

You can build a message library, share messages between boards, schedule messages, and more.

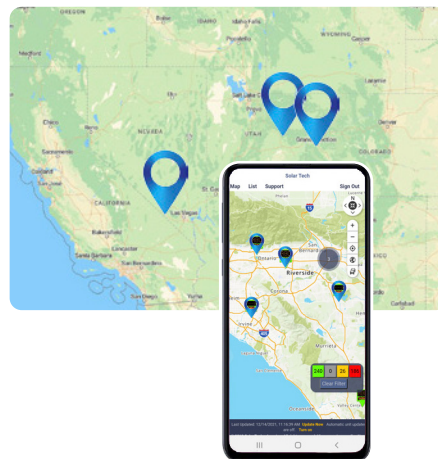
Get automatic email notifications when a message changes, if the battery voltage is low, if a panel or module fails, or the unit moves.

## PRODUCT GUIDE



### EASY-TO-USE CONTROLLER

- ▶ Password Protection
- ▶ Intuitive Icons for Ease of Use
- ▶ Scheduling Capability
- ▶ Fully Networkable
- ▶ NTCIP version 3 Compatible



**Keep tabs on your whole fleet. No more misplaced equipment... fewer problems... less downtime!**

Learn more at [www.solartechology.com](http://www.solartechology.com)



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## Double-Sided Message Board

|                               |   |
|-------------------------------|---|
| <b>Display Panel</b>          | <b>MB-122-3048 Lift &amp; Rotate</b>  |
| Panel Size .....              | 92" x 54"   |
| Panel Construction.....       | All aluminum, modular construction  |
| Matrix Size.....              | 27 x 48 pixels  |
| Pixel Pitch .....             | 1.77" (45 mm)   |
| Characters per Line.....      | Up to twelve (12)   |
| Character Height.....         | 12" to 38" (30.5 cm to 97 cm)   |
| Graphics Capability.....      | Full matrix with full animation   |
| Display Technology .....      | LED (amber, 592 nm)   |
| Display Brightness .....      | >10,000 cd/m2 (candela per sq. meter)   |
| Display Life Expectancy ..... | 10 years  |
| Lifting Mechanism.....        | 2,000 lb. capacity electro-hydraulic  |
| Sign Panel Rotation.....      | > 360 degrees (mast rotation); Auxiliary sign panel rotates independently of main sign panel up to 45° either side. |

### Trailer

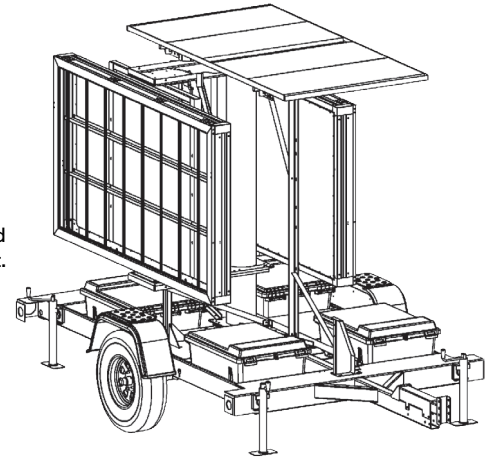
|                          |   |
|--------------------------|---|
| Length Overall .....     | 180" (457 cm)                             |
| Width Overall.....       | 92" (234 cm)                              |
| Height Traveling.....    | 108" (274 cm)                             |
| Height Operating.....    | 164" (417 cm)                             |
| Ground Clearance .....   | 13" (33 cm)                               |
| Weight.....              | 3,100 lbs (max) (1,407 kg) approx.        |
| Coupler (Class III)..... | 2" (50 mm) ball or 3" (76 mm) pintle ring |
| Brakes.....              | 7,500 lb. hydraulic surge                 |
| Axle/Suspension.....     | Torq flex, independent                    |

### Mega-Tech Control Console

|                            |  |
|----------------------------|--|
| Console Circuitry .....    | Ultra-low-power solid state  |
| Console Touchscreen.....   | Weather-resistant, backlit, full color GUI, intuitive icon-driven, multi-lingual |
| Programming Software.....  | Proprietary, field upgradable (for units not connected to Command Center)        |
| Message Capacity.....      | Pre-programmed and user programmed - greater than 250 each                       |
| Time/Date Control .....    | Real time clock/calendar (365 day)   |
| Message Display Time ..... | User-selectable (0.1 to 99 seconds)  |
| Display Update Time .....  | Instantaneous  |
| Non-Volatile Memory .....  | 16 GB Micro SD card  |
| Password Protection.....   | User-selectable, multi-level   |
| Operator Interface.....    | Easy-to-use icons - no instruction manual needed                                 |

### Energy Source

|                                |  |
|--------------------------------|--|
| Operating Voltage.....         | 12 volts DC (nominal)  |
| Battery Type .....             | 6 volt heavy duty, deep cycle (GC-2)                                   |
| Number of Batteries.....       | Twelve (12) lead acid (flooded)  |
| Battery Bank Capacity .....    | 1,560 amp hours  |
| Battery Status Indicator.....  | Displays battery voltage, charging activity, and low battery condition |
| Solar Array Construction.....  | Top mounted solar panels in aluminum frame                             |
| Solar Array Power Output ..... | 330 watts (nominal)  |
| Solar Charge Controller .....  | Automatic, temperature compensated                                     |



Shown folded for transport.

## OPTIONS AND UPGRADES

### Remote Communications

Includes a GPS receiver, cellular transceiver, and FREE lifetime cellular service. Remotely access and track your Double-Sided Message Board.

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

### Second Controller

» Enables independent local and remote control of each sign.

### Solar Array Upgrades

» 440 watt » 550 watt » 660 watt

### Battery Upgrades

» Twelve (12) maintenance-free (Gel-Cell or AGM) - 1,560 amp hour capacity

### Security Option

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

### Battery Charger Options

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

### Brakes

» Electric Brakes

### Radar Options - Both Trailers

Directional doppler K-Band, user-configured KPH or MPH  
Data collection and statistical analysis package included.

### Panel Sizes

» Contact SolarTech for additional panel sizes.

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