

The “Silent Messenger III” mid-sized message board is a truly reliable workhorse. A 27 x 48 pixel full matrix LED display on a sturdy steel trailer is powered by both solar panels and batteries.

Display area measures 78” wide by 46” high, giving a clean crisp readable message. Available in either a foldable or a Lift and Rotate trailer.

OPTIONAL REMOTE COMMUNICATIONS*

When choosing this option, your Message Board will come with a GPS receiver, cellular transceiver, and free lifetime cellular service*. Use with SolarTech’s Command Center software for remote communication. This software allows you to track your equipment using the built-in cellular transceiver and GPS system.

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.

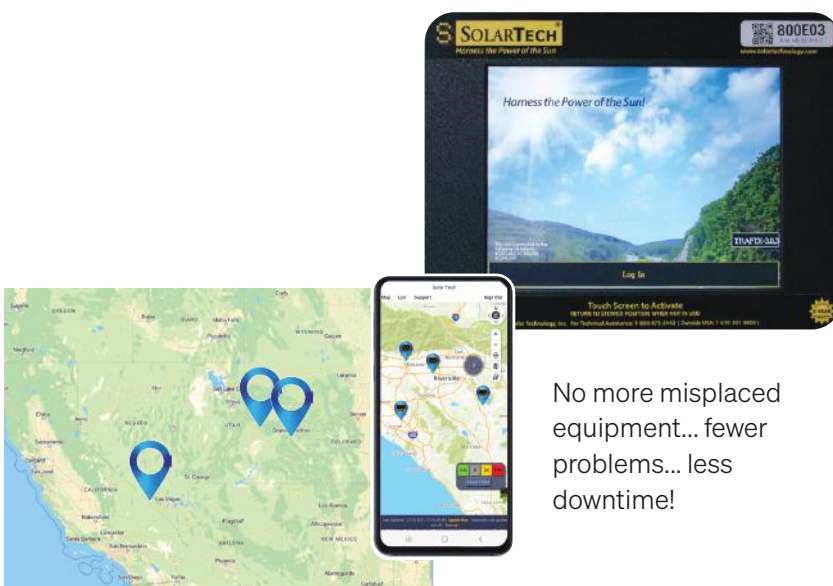
Get automatic email notifications when a message changes, if the battery voltage is low, if a pixel or module fails, or the unit moves.



EASY-TO-USE CONTROLLER

Touch-screen controller is easy to use
Includes:

- » Password protection
- » Intuitive icons for ease of use
- » Scheduling capability
- » Fully networkable
- » NTCIP version 3 compatible



No more misplaced equipment... fewer problems... less downtime!

Display Panel

Panel Size.....	78" x 46" (203 cm x 121 cm)
Pixel Size.....	1.50" x 1.50" (38 mm)
Character Height.....	7.5" to 30" (19 cm to 76 cm)
Matrix Size.....	27 x 48 pixels
Panel Construction.....	All aluminum, modular
Panel Face.....	3/16" polycarbonate, non-glare
Number of Fonts.....	Twelve (12)
Graphics Capability.....	Full matrix with full animation
Display Technology.....	LED (amber, 592 nm)
Display Brightness.....	>10,000 cd/m ² (candela per sq. meter)
Viewing Angle.....	>60°

Trailer

Length Overall (operating)	112" (284 cm)
Length Overall (traveling)	112" (284 cm)
Width Overall	91" (231 cm)
Ground Clearance	13" (33 cm)
Height Traveling	92" (234 cm)
Height Operating	142" (360 cm)
Weight of MBII Panel	1,182 lbs (536 kg)
Coupler	2" (50 mm) ball or 2.5" (64 mm) pintle ring
Lifting Mechanism	1,000 lb automatic brake, winch & cable
Axle Suspension	1,000 lb electric linear actuator (for both) Torq flex, independent

Standard Trailer

Lift & Rotate Trailer



MB-III lowered and folded compactly for transport.



MB-III
Lift & Rotate

Mega-Tech Control Console

Console Circuitry.....	Ultra-low power solid state
Console Touchscreen.....	Weather-resistant, backlit, full-color GUI, intuitive icon-driven, multi-lingual: five international languages
Programming Software.....	Proprietary, field upgradable (for units that are not connected to Command Center)
Message Capacity	Pre-programmed and user programmed > 250 each
Time-Date Control	Real-time clock/calendar (365 days)
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 manual required)
Connectivity.....	Networkable (wired or wireless) and NTCIP compatible (Ethernet & RS-232)

Energy Source

Operating Voltage.....	12 volts DC (nominal)
Battery Type.....	6 volt heavy duty, deep cycle (GC-2)
Number of Batteries.....	Four (4) standard lead acid (flooded)
Battery Bank Capacity.....	520 amp hours
Battery Status Indicator.....	Displays battery voltage, charging activity and low battery condition
Solar Construction.....	Top-mounted solar panels in aluminum frame
Solar Power Output.....	Standard 160 watt (nominal)
Solar Charge Controller.....	Automatic, temperature compensated, MPPT (Maximum Power Point Tracking)

OPTIONS AND UPGRADES

Remote Communication

Includes GPS receiver, cellular transceiver, and FREE cellular service.* Remotely access and track your Message Board.

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

Upgrades

FOR LIFT AND ROTATE TRAILERS ONLY
TILT & ROTATE SOLAR ARRAYS

» 220 watt » 330 watt

Solar Array Upgrades (Both Trailers)

FIXED SOLAR ARRAYS

» 220 watt » 270 watt » 330 watt

Battery Upgrades - Both Trailers

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

Battery Charger Options

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

Brakes Options

» Hydraulic Surge Brakes (5,000 lb Capacity)
» Electric Brakes

Security Option

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

Radar Options - Both Trailers

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