

The **SILENT MESSENGER II**

**SOLAR POWERED DOUBLE-SIDED
FULL MATRIX NTCIP DYNAMIC MESSAGE SIGN**

MB-222-3048

EXCLUSIVE FEATURES

- Truly Solar Powered - Continuous, uninterrupted operation**
- Brightest, Most Visible Display - Legible messages under all conditions**
- Independent Sign Panel Positioning - Optimum legibility from any direction**
- Mega-Tech Full Color Touch Screen Control Console - Simple easy to use graphical user interface (GUI)**
- Sign Panel Failsafe System - Automatically detects and corrects errors and faults**
- CE Marked - Insures complete electromagnetic compliance for superb reliability**
- Cellular Remote Ready - Interface and software required for remote control is included**
- Custom Sign Case & Door Frame Extrusions - Sturdy, secure and weathertight**
- Modular Construction - Easy maintenance and repair**
- Torsion-type Axle - Smooth, stable ride**
- Polyamide Epoxy Primer - Excellent rust and corrosion protection**
- Acrylic Urethane Finish - Excellent appearance and durability**
- ISO 9001:2000 Certified Design and Manufacturing - The ultimate in quality assurance**
- Best Warranty -**
 - One year overall**
 - Two years on electrical and electronic components**
 - Three years on standard display modules**
 - Five years on optional Mega-Flux display modules**
 - Ten years on solar panels**

AVAILABLE OPTIONS

- Mega-Flux LED Display Upgrade - 60 degree angularity for improved visibility and legibility**
- Radar Speed Monitor - Measure and display speed of oncoming vehicles**
- Cellular Remote Control Package - Includes antenna, cables, and cellular modem**
- Auxiliary Battery Charger Upgrade - 75 Amp**



SOLAR TECHNOLOGY, INC.
7620 Cetronia Road, Allentown, PA 18106
Phone: 610-391-8600 Fax: 610-391-8601
Website: www.solartechnology.com

Harness the Power of the Sun

The SILENT MESSENGER II

DOUBLE SIDED FULL MATRIX PORTABLE DYNAMIC MESSAGE

SPECIFICATIONS - MB-222-3048

MESSAGE PANEL

Panel Size	92 in. wide x 54 in. high (234 cm wide x 137 cm high)
Panel Construction	All aluminum, modular construction
Matrix Size	27 x 48 Pixels
Pixel Size	1.75 x 1.75 inches (4.5 x 4.5 cm)
Characters per Line	Up to Twelve (12)
Number of Lines	Up to Four (4)
Number of Fonts	Seven (7)
Character Height	8.75 to 38 inches (22 to 96.5 cm)
Graphics Capability	Full Matrix
Display Technology	LED (Amber, 592 nm)
Display Life Expectancy	10 years typical
Sign Panel Height (Operating) ...	3 ft. (91 cm) to bottom of sign panel

PHYSICAL

Length Overall	134 inches (341 cm)
Width Overall	75 inches (191 cm)
Width Across Fenders	75 inches (191 cm)
Height Traveling	90 inches (229 cm)
Height Operating	90 inches (229 cm)
Ground Clearance	13 inches (33 cm) min.
Weight	1,840 lbs (835 kg) approx.
Coupler (Class II)	Combination 2-inch (5.1 cm) ball and 2.5-inch (6.3 cm) pintle ring
Axle/Suspension	Torq-Flex-independent

MEGA-TECH CONTROL CONSOLE

Console Circuitry	Ultra-low power solid state
Console Touchscreen	Waterproof, backlit, full color GUI, intuitive icon-driven, multi-lingual
Programming Software	Proprietary, field upgradable
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	Separate backup battery
Password Protection	User-selectable, multi-level
Operator Interface	Easy-to-use icons (no instruction manual required)
Connectivity	Network (wired or wireless) and NTCIP compatible

ENERGY SOURCE

Operating Voltage	12 Volts DC
Battery Type	6-Volt Heavy duty, deep cycle
Number of Batteries	Eight (8)
Battery Bank Capacity	1,200 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	300 Watts (peak)
Solar Charge Controller	Automatic, temperature compensated
Auxiliary Automatic Battery Charger...	115 VAC line powered, 45 Amp

All models meet or exceed the standards for Portable Changeable Message Signs as listed in the U.S. Federal Highway Administration (FHWA) Manual on Uniform Traffic Control Devices (MUTCD).

Specifications subject to periodic updates as required without notice.

AVAILABLE OPTIONS

MEGA-FLUX LED DISPLAY UPGRADE

60 Degree Angularity

WIRELESS REMOTE CONTROL

Cellular Modem & Antenna

RADAR SPEED MONITOR

Monitor and display speed of oncoming traffic

AUXILIARY AUTOMATIC BATTERY CHARGERS

115 VAC line powered, 75 Amp

OTHER SolarTech PRODUCTS

SILENT SENTINEL

Trailer and Truck Mount Arrow Boards

SILENT MESSENGER

Full-Size Portable Dynamic Message Boards

SILENT MESSENGER II

Mid-Size Trailer and Vehicle Mount Message Boards

SILENT MESSENGER III

Small-Size Trailer and Vehicle Mount Message Boards

SILENT ADVISOR

Low and High Speed Application Radar Speed Trailers



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