

# *The* **SILENT MESSENGER II**

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

**MB-122-3048**

## **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](http://www.solartechnology.com)

***Harness the Power of the Sun***

# The SILENT MESSENGER II

## DOUBLE SIDED FULL MATRIX PORTABLE DYNAMIC MESSAGE

### SPECIFICATIONS - MB-122-3048

#### 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
Lifting Mechanism .....	2,000 lb. capacity electro-hydraulic
Sign Panel Rotation .....	Greater than 360 degrees
Sign Panel Height (Operating) ...	9 ft. (274 cm) to bottom of sign pane

#### PHYSICAL

Length Overall .....	180 inches (457 cm)
Width Overall .....	92 inches (234 cm)
Width Across Fenders .....	92 inches (234 cm)
Height Traveling .....	103 inches (262 cm)
Height Operating .....	162 inches (412 cm)
Ground Clearance .....	13 inches (33 cm) min.
Weight .....	3,100 lbs (1,407 kg) approx.
Coupler (Class III) .....	2-inch (5.1 cm) ball or 3-inch (7.6 cm) pintle ring
Brake Actuator .....	5,000 lb. (2,268 kg) reverse surge
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 .....	Twelve (12)
Battery Bank Capacity .....	1,800 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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