

The **SILENT MESSENGER II**

SOLAR POWERED FULL MATRIX PORTABLE DYNAMIC MESSAGE SIGNS

MB2 Series EXCLUSIVE FEATURES

Truly Solar Powered - Continuous, uninterrupted operation

Brightest, Most Visible Display - Legible messages under all conditions

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
Ten years on solar panels

AVAILABLE OPTIONS

Radar Speed Monitor - Measure and display speed of oncoming vehicles

Wireless Remote Control - Includes antenna, cables, and cellular modem

Auxiliary Battery Pack - Increases energy storage capacity and autonomy

Solar Array Upgrades - Increases energy generation capacity and run-time

Auxiliary Battery Charger Upgrade - 45 Amp or 75 Amp



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FULL MATRIX PORTABLE DYNAMIC MESSAGE SIGN

SPECIFICATIONS

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	1,000 lb. capacity winch & cable
Sign Panel Height (Operating) ...	7 ft (214 cm) to bottom of sign panel

PHYSICAL

Length Overall	112 inches (284 cm)
Width Overall	92 inches (234 cm)
Width Across Fenders	75 inches (190 cm)
Height Traveling	92 inches (234 cm)
Height Operating	142 inches (360 cm)
Ground Clearance	13 inches (33 cm) min.
Weight	1,560 lbs (708 kg) approx.
Coupler (Class III)	2-inch (5.1 cm) ball or 2 1/2-inch (6.4 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	Networkable (wired or wireless) and NTCIP compatible

ENERGY SOURCE

Operating Voltage	12 Volts DC	
Battery Type	6-Volt Heavy duty, deep cycle	
Number of Batteries	Four (4) w / Aux. Battery Pack	Eight (8)
Battery Bank Capacity	600 Amp Hours w / Aux. Battery Pack	1,200 Amp Hours
Battery Status Indicator	Displays full charge, normal and low battery condition	
Solar Array Construction	Top-mounted solar panels in aluminum frame	
Solar Array Power Output	Standard (150 W) -150 Watts (peak) 225 W Upgrade - 225 Watts (peak) 300 W Upgrade - 300 Watts (peak)	
Solar Charge Controller	Automatic, temperature compensated	
Auxiliary Automatic Battery Charger...	115 VAC line powered, 30 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

SOLAR ARRAY UPGRADES

Upgrade to 225 or 300 Watts

BATTERY BANK UPGRADES

Upgrade to 8 batteries (1200 AH) and/or Gel-Cell

WIRELESS REMOTE CONTROL

Cellular Modem & Antenna

RADAR SPEED MONITOR

Monitor and display speed of oncoming traffic

AUXILIARY AUTOMATIC BATTERY CHARGERS

115 VAC line powered. 45 Amp or 75 Amp

OTHER *SolarTech* PRODUCTS

SILENT SENTINEL

Trailer and Truck Mount Arrow Boards

SILENT MESSENGER

Full-Sized 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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