Silent Messenger
Dynamic Message Sign

Powerful Control Technology included with each unit:

- Intuitive, 10.4" LCD touch-screen GUI.
- So easy to operate that no instructions are needed!
- Multi-lingual capability allowing use throughout the world.
- Message scheduler for date/time and event-based messages.
- NTCIP compatibility for fast, simple integration into standard ITS installations.
- Integrated GPS receiver.
- USB "thumb drive" interface for fast, easy software updates (via the SolarTech website), as well as data collection (with optional Radar).

Remote Control and Diagnostics (with Modem Option)

**Command Center**
Manage, Monitor and Segment your Fleet of Traffic Safety Equipment

- GPS mapping of all units
- Group control and management of fleet
- Limit Liability - permanent log records what messages are displayed, and when
- Automatic notifications and alerts

**Smartphone Control**

- Be notified of message change, location change, low battery, etc.
- Improve worker and driver safety
- Make fewer trips to the site by using remote diagnostics
- Have less "down time"

SOLAR TECHNOLOGY, INC.
www.solartechnology.com

(800) 475-5442
(610) 391-8600 (outside US)
DISPLAY
Panel Size .................................. 126” x 76” (320 cm x 193 cm)
Panel Construction ......................... All aluminum, modular construction
Panel Face .................................. 3/16” polycarbonate, non-glare
Matrix Size ...................................... 27” x 48 pixels (standard)
Pixel Pitch .................................. 2.6” x 2.6” (66 mm x 66 mm)
Characters per Line ......................... Up to twelve (12)
Number of Lines ............................ Up to four (4)
Number of Fonts ......................... Twelve (12)
Character Height ............................. 13” to 68” (33 cm to 173 cm)
Graphics Capability ...................... Full matrix with full animation
Display Technology .................. LED (amber, 592 nm)
Display Brightness .................. >10,000 candela per square meter
Viewing Angle .................. 23” horizontal (minimum)
Display Life Expectancy .......... 10 years typical
Lifting Mechanism .................. 2,000 lb. capacity electro-hydraulic

TRAILER
Length Overall ......................... 180” (457 cm)
Width Overall ................... 92” (234 cm)
Width Across Fenders ........ 92” (234 cm)
Height Traveling .................. 103” (262 cm)
Height Operating ................... 162” (412 cm)
Ground Clearance .............. 13” (33 cm) minimum
Weight .................................. 2,400 lbs. (1,089 kg) minimum
Coupler (Class III) ............. 2” (50 mm) ball or 3” (76 mm) pintle ring
Axle/Suspension ................ Torq flex - independent

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 Array Construction .......... Top-mounted solar panels in aluminum frame
Solar Array Power Output ........ 160 Watt (nominal)
Solar Charge Controller .......... Automatic, temperature compensated
Auxiliary Battery Charger ........ 45 amp, 120 volt AC

MEGA-TECH CONTROL CONSOLE
Console Circuitry .................. Ultra-low power solid state
Console Touchscreen ............... Waterproof, backlit, full-color GJII, 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 ........ 512 MB compact flash
Password Protection ........ User-selectable, multi-level
Operator Interface ................. Easy-to-use icons (no manual required)
Connectivity ................ Networked (wired or wireless) and
NTCIP compatible (ethernet and RS-232)
GPS .................................. Integrated GPS receiver

OPTIONAL FEATURES AND UPGRADES
Display Panel
• Mega-Flux Display - 60˚ Viewing Angle
• High-Definition Display - 30 x 56 pixels 2.3” (58 mm)
pixel pitch (available in standard or Mega-Flux)

Brakes
• Hydraulic Surge Brakes (5,000 lb. Capacity)
• Electric Brakes

Battery Upgrades
<table>
<thead>
<tr>
<th>Type</th>
<th>Number</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead-Acid (flooded)</td>
<td>Six (6)</td>
<td>780 amp hour</td>
</tr>
<tr>
<td></td>
<td>Eight (8)</td>
<td>1040 amp hour</td>
</tr>
<tr>
<td></td>
<td>Ten (10)</td>
<td>1300 amp hour</td>
</tr>
<tr>
<td></td>
<td>Twelve (12)</td>
<td>1560 amp hour</td>
</tr>
<tr>
<td>Gel Cell or AGM (maintenance free)</td>
<td>Four (4)</td>
<td>520 amp hour</td>
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Solar Array Upgrades
• 240 watt
• 320 watt
• 400 watt
• 480 watt

Battery Charger Upgrades
• 90 amp - 120 volt AC
• 55 amp - 230 volt AC

Remote Control Options
• Short range wireless - 802.11 WiFi
• Cellular wireless - GPRS (CDMA/GSM) with GPS
• Solar Comm - secure, low cost GSM

Radar Options
• Directional doppler K-Band. User-configurable KPH or MPH.

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All models meet or exceed the standards for Portable Changeable Message Signs as listed in the U.S. Federal Highway Administration (FHWA) Manual or Uniform Traffic Control Devices (MUTCD). Specifications subject to periodic updates as required without notice.

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7620 Cetronia Rd. Allentown, PA 18106
Phone: 800-475-5442 or 610-391-8600
www.solartechnology.com

P/N 500-024-010 Rev. D 2013

SOLAR POWERED PORTABLE TOWER TRAILER
Platform for Cameras, Sensors and/or Lighting

SOLARTRAK
Monitoring and GPS Tracking of Construction Equipment

SILENT SENTINEL
Trailer and Vehicle Mount Arrow Boards

SILENT MESSAGER II
Mid-Size Trailer and Vehicle Mount Message Boards

SILENT MESSAGER III
Small-Size Trailer and Vehicle Mount Message Boards

SILENT MESSAGER IV
Small-Size Trailer and Vehicle Mount Message Boards

SILENT SENTINEL
Trailer and Vehicle Mount Arrow Boards

SILENT ADVISOR
Low and High-Speed Application Radar Speed Trailers

INCIDENT RESPONSE TRAILER
Work Zone Trailer with Cones and Barrels

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