

Silent Messenger

Full-Sized Message Board

The “Silent Messenger” full-sized Message Board is the cornerstone of the SolarTech product line. This rugged portable changeable message sign is designed to provide information to improve traffic flow and safety in work zones, for both drivers and workers.

The Silent Messenger consists of a 126” w x 76” h sign panel with a 27 x 48 pixel full matrix LED display on a sturdy steel trailer, powered by a combination of solar panels and batteries. The sign telescopes on a lift and rotate mast, and can be rotated for optimal visibility.

OPTIONAL REMOTE CONTROL & GPS TRACKING*

When choosing this option, the Message Board will come with a GPS receiver, a cellular transceiver, and **FREE lifetime cellular service***.

SolarTech’s Command Center software allows you to track and manage your equipment from your laptop, PC, or smartphone. Keep tabs on your whole fleet... without leaving your desk!

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

With Command Center you can:

CHANGE messages remotely.

ACCESS units from a map or list.

CONTROL units individually or broadcast to a group.

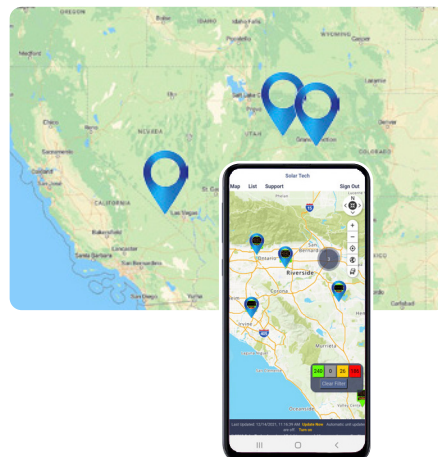
BUILD a message library, share messages between boards, schedule messages and more.

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



EASY-TO-USE CONTROLLER

- ▶ Password Protection
- ▶ Intuitive Icons for Ease of Use
- ▶ Scheduling Capability
- ▶ Fully Networkable
- ▶ NTCIP version 3 Compatible



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Learn more at www.solartechtechnology.com

Silent Messenger

Full-Sized Message Board

Display Panel

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
Pixel Pitch	2.6" x 2.6" (66 mm x 66 mm)
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.....	>60°
Display Life Expectancy.....	10 years typical
Lifting Mechanism	2,000 lb. capacity electro-hydraulic

Trailer

Length Overall	186" (472 cm)
Width Overall.....	92" (234 cm)
Height Traveling.....	103" (262 cm)
Height Operating	164" (417 cm)
Ground Clearance	13" (33 cm) minimum
Weight (minimum)	2,900 lbs. (1,315 kg)
Weight (maximum)	3,500 lbs. (1,588 kg)
Coupler (Class III)	2" (50 mm) ball or 3" (76 mm) pintle ring
Axle/Suspension	Torq flex independent

Mega-Tech Control Console

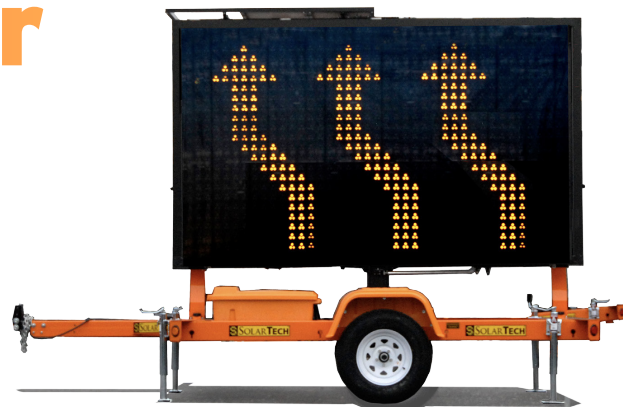
Console Circuitry	Ultra-low power solid state
Console Touchscreen.....	Weather-resistant, backlit, full-color GUI, intuitive icon-driven, multi-lingual
Programming Software	Proprietary, field upgradable (for units not connected to Command Center)
Message Capacity.....	Pre-programmed and user-defined (> 250 each)
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.....	Supports NTCIP version 3 via UDP/IP over Ethernet, and PMPP over RS-232; Units with Remote Communications Option: UDP/IP over the built-in cellular modem.

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.....	Standard 160 watt (nominal)
Solar Charge Controller	Automatic, temperature compensated, MPPT (Maximum Power Point Tracking)



SCAN ME



OPTIONS AND UPGRADES

Remote Communications

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.*

Display Panel

» High-Definition Display - 30 x 56 pixels 2.3" (58 mm) pixel pitch

Radar Options

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

Solar Array Options

FIXED:

220 watt	270 watt	330 watt	440 watt	490 watt
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TILT & ROTATE:

160 watt	220 watt	330 watt	440 watt
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Battery Upgrades

Type	Number	Capacity
Lead-Acid (flooded)	Six (6)	780 amp hour
	Eight (8)	1040 amp hour
	Ten (10)	1300 amp hour
	Twelve (12)	1560 amp hour
Gel Cell or AGM (maintenance-free)	Four (4)	520 amp hour
	Six (6)	780 amp hour
	Eight (8)	1040 amp hour
	Ten (10)	1300 amp hour
	Twelve (12)	1560 amp hour

Brakes

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

Battery Security Options

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

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