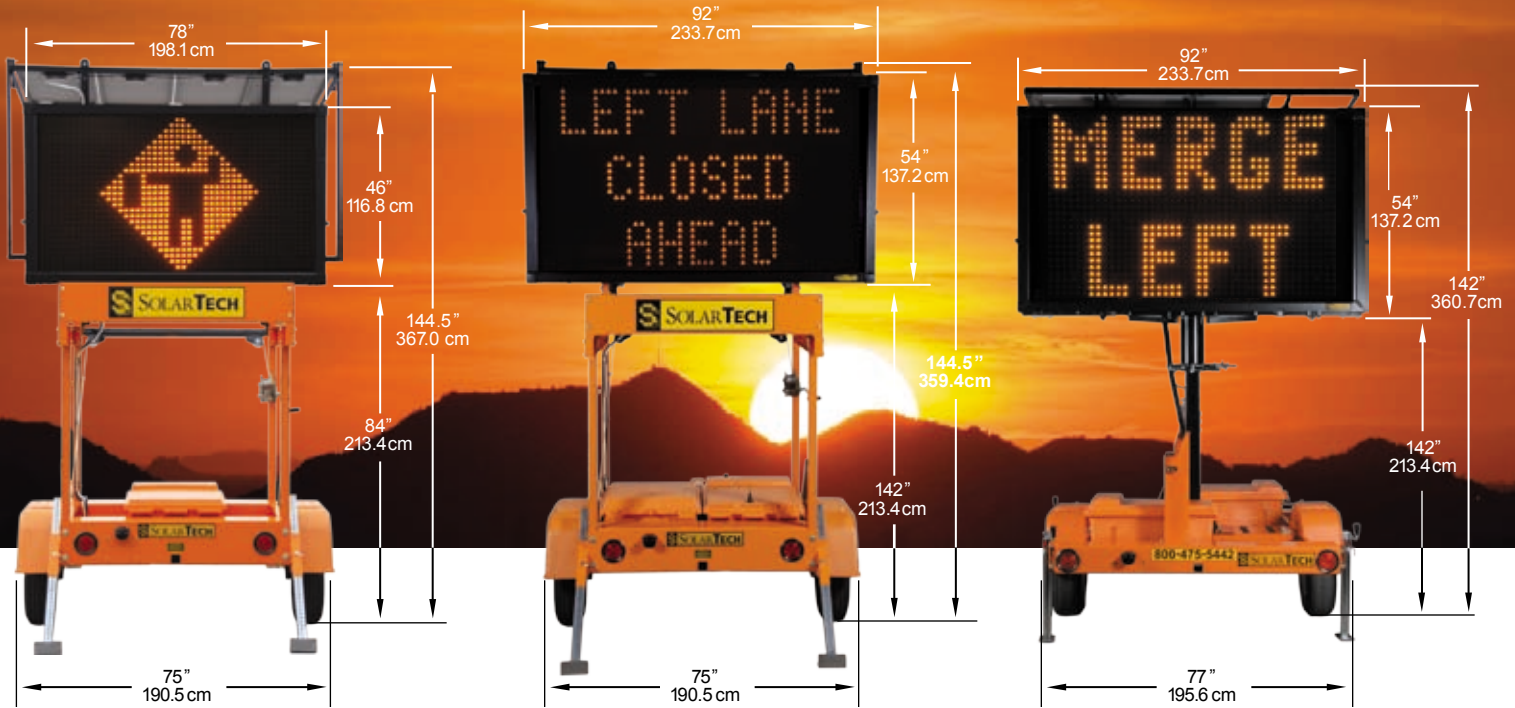




SILENT MESSENGER II & III

DYNAMIC MESSAGE SIGNS
FOR LIMITED-SPACE APPLICATIONS



Standard Trailer
(shown with MB3 Panel)

Standard Trailer
(shown with MB2 Panel)

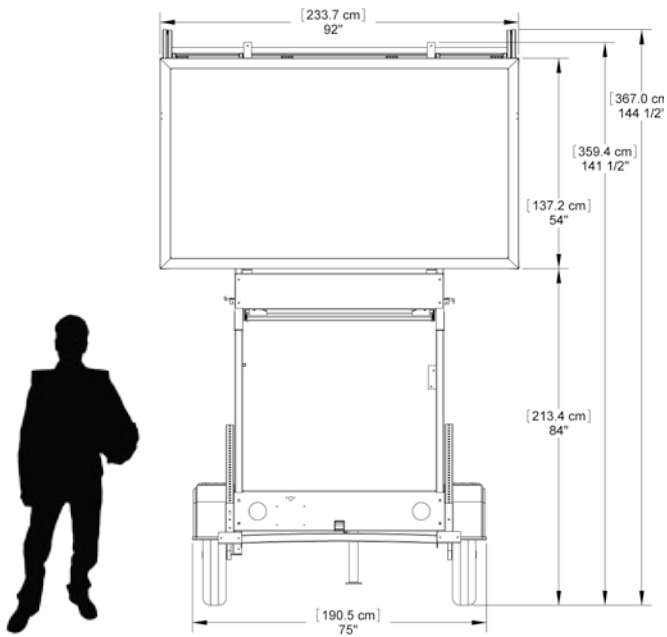
Lift and Rotate Trailer
(shown with MB2 Panel)

SolarTech Quality Built Into Every Unit

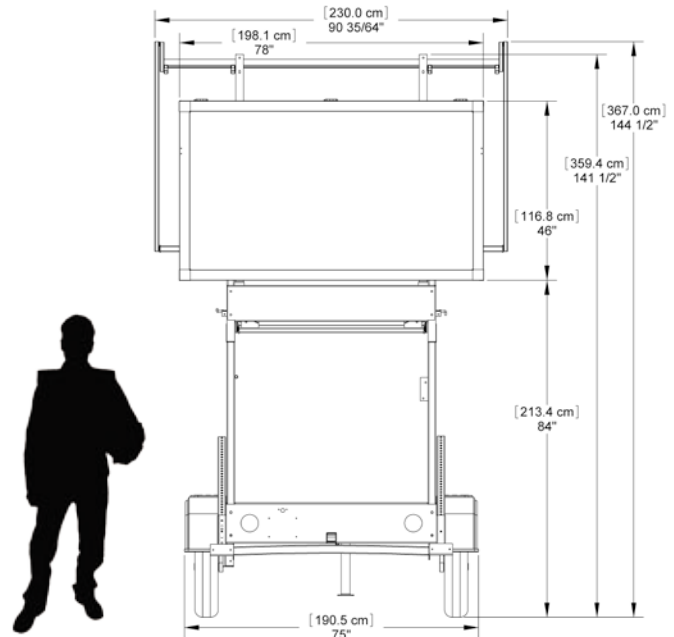
- Truly Solar Powered** - Engineered for continuous runtime
- Brightest, Most Visible Display** - Legible messages under all conditions
- Mega-Tech Full-Color Touch-Screen Control Console** - Simple, easy-to-use graphical user interface (GUI)
- Sign Panel Failsafe System** - Automatically detects and 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
- Data Collection Built In** - Records raw and statistical data on a USB "memory stick" (viewable in M.S. Excel)
- 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



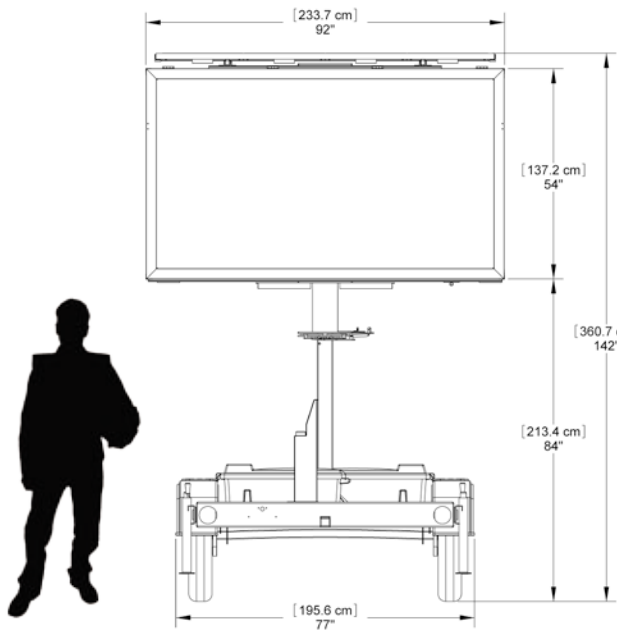
SILENT MESSENGER II AND III



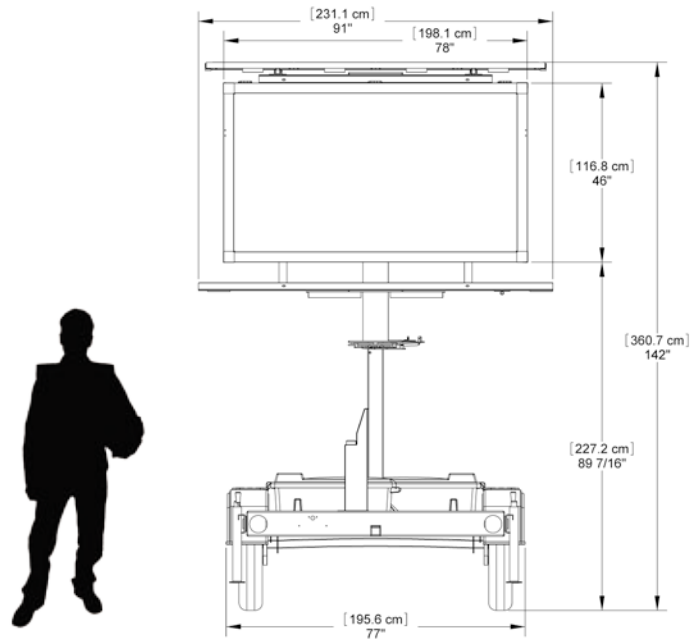
Standard Trailer
Shown with MB2 Message Panel



Standard Trailer
Shown with MB3 Message Panel



Lift & Rotate Trailer
Shown with MB2 Message Panel



Lift & Rotate Trailer
Shown with MB3 Message Panel



DISPLAY PANELS

	MBII	MBIII
Panel Size	92 in. W x 54 in. H (320cm x 193)	80 in. x 47.5 in. (203cm x 121cm)
Pixel Size	1.75 x 1.75 in. (4.5 x 4.5 cm)	1.50 x 1.50 in. (3.8 x 3.8 cm)
Character Height	7.5 to 30 in. (19 to 76 cm)	8.75 to 38 in. (22 to 96.5 cm)
Matrix Size	27 x 48 Pixels	
Panel Construction	All aluminum, modular construction	
Panel Face	3/16" Polycarbonate, non-glare	
Characters per Line	Up to Twelve (12)	
Number of Lines	Up to Four (4)	
Number of Fonts	Seven (7)	
Graphics Capability	Full Matrix with Full Animation	
Display Technology	LED (Amber, 592 nm)	
Display Brightness	>10,000 cd/m2 (candela per sq. meter)	
Display Life Expectancy	10 years typical	
Viewing Angle	23° horizontal (minimum)	

TRAILER

	Standard Trailer	Lift & Rotate Trailer
Length Overall (operating)	112 in. (284 cm)	108 in. (274 cm)
Width Overall	92 in. (234 cm)	77 in. (196 cm)
Width Across Fenders	75 in. (190 cm)	77 in. (196 cm)
Height Traveling (MBII Panel)	92 in. (234 cm)	101 in. (257 cm)
Height Traveling (MBIII Panel)	92 in. (234 cm)	112 in. (284 cm)
Ground Clearance	13 in. (33 cm) min.	13 in. (33 cm) min.
Height Operating (MBII Panel)	142 in. (360 cm) min.	142 in. (360 cm) min.
Height Operating (MBIII Panel)	142 in. (360 cm) min.	142 in. (360 cm) min.
Weight (MBII Panel)	1,560 lbs (708 kg) approx.	2,000 lbs (907 kg) approx.
Weight (MBIII Panel)	1,182 lbs (536 kg) approx.	2,000 lbs (907 kg) approx.
Coupler	2 in. (5.1 cm) ball or 2 1/2 in. (6.4 cm) pintle ring	2 in. (5.1 cm) ball or 3 in. (7.6 cm) pintle ring
Lifting Mechanism	1,000 lb. automatic brake, win. & cable	1,000 lb. electric linear actuator
Axle/Suspension	Torq-Flex independent	

ENERGY SOURCE

Operating Voltage	12 Volts DC
Battery Type	6-Volt Heavy-Duty, Deep Cycle (GC-2)
Number of Batteries (MBII)	Four (4) Standard Lead Acid (Flooded)
Number of Batteries (MBIII)	Two (2) Standard Lead Acid (Flooded)
Battery Bank Capacity	300 Amp Hours (MBIII) / 600 Amp Hours (MBII)
Battery Status Indicator	Displays battery voltage, charging activity, and low batt. condition
Solar Array Construction	Top-mounted solar panels in aluminum frame
Solar Array Power Output	Standard 150 W (nominal) - 170 W (peak)
Solar Charge Controller.	Automatic, temperature compensated
Aux. Battery Charger	115 VAC line powered, 30 Amp

MEGA-TECH CONTROL CONSOLE

Console Circuitry	Ultra-low power solid state
Console Touchscreen	Waterproof, backlit, full color GUI, intuitive icon-driven, multi-lingual/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

OPTIONAL FEATURES AND UPGRADES

Sign Panel Upgrades

- MegaFlux Display - 60° Viewing Angle (Available for All Models)
- 30 x 48 pixels at 1.75 in. pixel pitch (MBII Lift & Rotate only)
- 30 x 56 pixels at 1.75 in. pixel pitch (MBII Lift & Rotate only)

Brakes

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

Battery Upgrades

- Four (4) Lead-Acid (Flooded) (600 AH Capacity) *MBIII Only
- Eight (8) Lead-Acid (Flooded) (1200 AH Capacity)
- Two (2) Gel-Cell Maintenance-Free (300 AH Capacity) *MBIII Only
- Four (4) Gel-Cell Maintenance-Free (600 AH Capacity)
- Eight (8) Gel-Cell Maintenance-Free (1200 AH Capacity)

Solar Array Upgrades

- 225W (nominal) - 255W (peak)
- 300W (nominal) - 340W (peak)

Remote Control Options

- Short-Range Wireless - 802.11 WiFi
- Cellular Wireless - GPRS (CDMA/GSM)
- Cellular Wireless - GPRS (CDMA/GSM) with GPS

Security Package

- Alarm, including GPS Locator/Recovery System
- Battery Box Metal Lockdown Frame

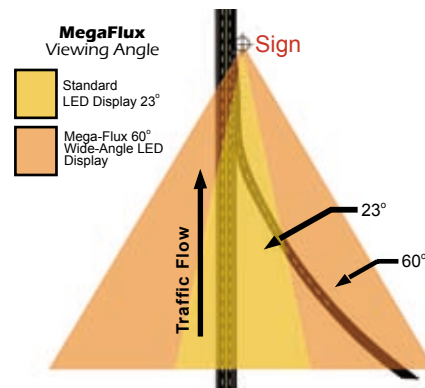
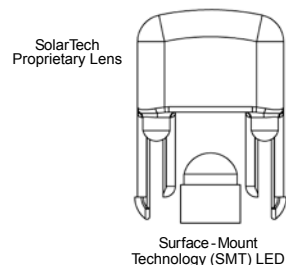
Radar Options

- MPH
- KPH

Extended Warranty Upgrades

- Extended Warranty BRONZE (+24 Months)
- Extended Warranty SILVER (+36 Months)
- Extended Warranty GOLD (+48 Months)

MegaFlux Advantage



Innovative Solutions



Driven by



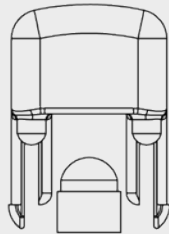
- Intuitive, 10.4" LCD touch-screen GUI
- So easy to operate that no instructions are needed!
- Multi-lingual capability allowing use throughout the world.
- Message scheduler for time and event-based messages.
- NTCIP compatibility for simple, hassle-free integration into standard ITS installations.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



Mega-Flux LED Display:

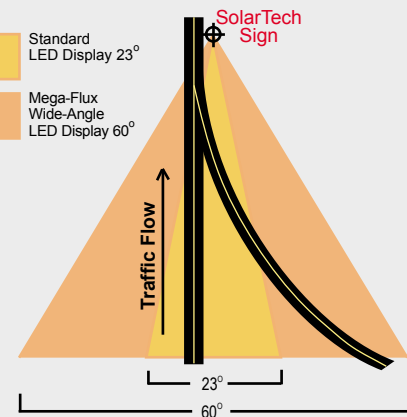
A patented wide-angle lens is fitted to each LED, increasing the viewing angle from 23° to 60°.

SolarTech Proprietary Lens



Surface - Mount Technology (SMT) LED

- Standard LED Display 23°
- Mega-Flux Wide-Angle LED Display 60°



Other SolarTech Products

SILENT MESSENGER

Full-size Trailer-Mount 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

INCIDENT RESPONSE TRAILER

Work Zone Trailer with Cones and Barrels

SOLAR-POWERED PORTABLE TOWER TRAILER

Versatile Platform for Rapid Deployment

All models meet or exceed the standards for Flashing Arrow Panels 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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