

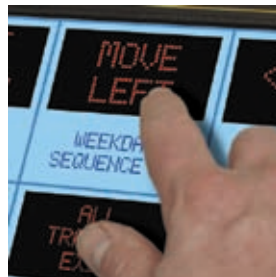
## Innovative Solutions



Driven by



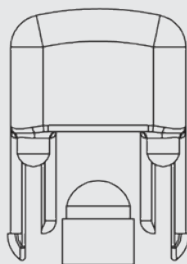
- Intuitive, 10.4" LCD touch-screen GUI
- So easy to operate that no instructions are needed!
- Multi-lingual capability allowing use throughout the world.
- Message scheduler for time and event-based messages.
- NTCIP compatibility for simple, hassle-free integration into standard ITS installations.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



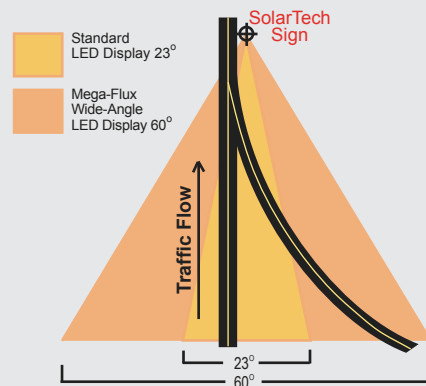
### Mega-Flux LED Display:

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





## DISPLAY PANELS

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 in. (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 in. (22 to 96.5 cm)
Graphics Capability .....	Full Matrix with Full Animation
Display Technology .....	LED (Amber, 592 nm)
Display Brightness .....	>10,000cd/m2 (candela per sq. meter)
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) .....	162 in. (412cm)

## ENERGY SOURCE

Operating Voltage .....	12 Volts DC
Battery Type .....	6-Volt Heavy duty, deep cycle (GC-2)
Number of Batteries .....	Four (4)
Battery Bank Capacity .....	600 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 150W (nominal) 170W (peak)
Solar Charge Controller .....	Automatic, temperature-compensated
Auxiliary Automatic Battery Charger.....	115 VAC line powered, 30 Amp

## PHYSICAL

Length Overall .....	180 in. (457 cm)
Width Overall .....	92 in. (234 cm)
Width Across Fenders .....	92 in. (234 cm)
Height Traveling .....	103 in. (262 cm)
Height Operating .....	162 in. (412 cm)
Ground Clearance .....	13 in. (33 cm) min.
Weight .....	3,000 lbs (1,361 kg) approx. (max.)
Coupler (Class III) .....	2 in. (5.1 cm) ball or 3 in. (7.6 cm) pintle ring
Brake Actuator.....	5,000 lb. (2,268 kg) reverse surge
Axle/Suspension .....	Torq-Flex - independent
Traffic Diversion Devices .....	Ten (10) barrels (38", 35 lb. bases) & twenty-five (25) cones (28", 10 lb.) (all with retro-reflective markings)

## 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

## OPTIONAL FEATURES AND UPGRADES

### Battery Upgrades

- Four (4) Gel-Cell Maintenance-Free (600 AH Capacity)

### Solar Array

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

### Display

- Amber Mega-Flux Wide-Angle LEDs
- Red Mega-Flux Wide-Angle LEDs

### Battery Charger Option

- 45 Amp Output (115 VAC 60 Hz - Input)
- 75 Amp Output (115 VAC 60 Hz - Input)

### Remote Control Options

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

### Radar Options

- MPH
- KPH

### Extended Warranty Upgrades

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

## Other SolarTech Products

### SILENT SENTINEL

Trailer and Truck Mount Arrow Boards

### SILENT MESSENGER

Full-Size Trailer and Vehicle 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

### SOLAR-POWERED PORTABLE TOWER TRAILER

Versatile Tower Platform for Rapid Deployment

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.



## SOLAR TECHNOLOGY, INC.

7620 Cetronia Rd Allentown, PA 18106

Phone: 800-475-5442 610-391-8600

Internet: www.solartechology.com

[www.solartechology.com](http://www.solartechology.com)