SOLARTECH®

As Reliable as the Sun

Silent Guardian
Speed Limit Trailer
SLT-2000

USES AND ADVANTAGES

When a changeable digital speed limit sign is required, the SLT-2000 fits the bill. This durable, portable **Speed Limit Trailer** can be towed to, and deployed in, a work zone or highway project.

The user can dynamically change the work zone speed limit based on traffic volume or other changeable conditions. Programming can be done at the sign or remotely via the optional remote communications package. Speed limits can be changed on certain days of the week or times of day, and can be overwritten when conditions change.

Photocells located on the front and back of the speed sign provide for an enhanced adjustment to ambient light. As light conditions change, the brightness of the digital display automatically adjusts to maintain legibility. All the while, the 18" characters are illuminated by intensely bright LED's.

Energy saving software updates allow for a long autonomous run time.

OPTIONAL REMOTE COMMUNICATIONS

When choosing this option, the SLT-2000 comes with a GPS receiver, a cellular transceiver and **FREE lifetime cellular service*** for secure remote communication.

Use with SolarTech's Command Center software, you can locate the sign on a map or list, and program the speed rates from your laptop, PC or smartphone.

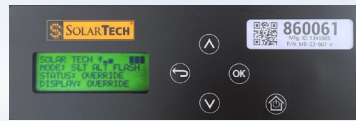Receive notifications if the battery voltage is low, a pixel fails, or the unit moves.

Track and manage your fleet... all without leaving your desk!

OPTIONAL LIFETIME CELLULAR SERVICE!

5 Year LIMITED Warranty SINCE 2009

PORTABLE SPEED TRAILER FEATURES:

- Truly Solar Powered - Engineered for continuous operation
- Ultra Vivid LED Display - Legible messages under all conditions
- Two (2) Photocells - Enhanced adjustment to ambient light
- Energy Saving Software Updates - Long autonomous run time
- Sign Panel Failsafe System - Automatically detects and corrects errors and faults
- CE Marked - Insures complete electromagnetic compliance for superb reliability
- Custom Sign Case and Door Frame Extrusions - Sturdy, secure and weathertight
- Modular Construction - Easy maintenance and repair

EASY-TO-USE CONTROLLER OPTIONS

MICROTECH CONTROLLER
- Touchpad interface
- Easy to manage menu
- Backlit 4x20 character LCD screen
- Password Protection: 4 digit pin passcode to access all functions

MEGATECH CONTROLLER
- Touch-screen controller
- Simple one page user interface
- Password Protection: Ability to assign up to 50 passwords with levels of access
- Backlit full-color 10.4" LCD screen

ADDITIONAL FEATURES:
- NO manual required- they are that easy to use!
- NTCIP version 3 compatible
- Fully networkable

WORK ZONE

SPEED LIMIT 40

www.solartechnology.com

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LED SPEED DISPLAY PANEL

Panel Size .... 36" x 29" (92 cm x 74 cm)
Panel Construction .... All aluminum, modular construction
Matrix Size.. 7 x 12 pixels, continuous matrix
Pixel Size.. 2.5" x 2.5" (63.5 mm x 63.5 mm); each pixel (3) LED's
Character Height .... 18" (45.7 cm)
Display Technology .... LED (white)
Display Life Expectancy .... 10 years typical
Lifting Mechanism.......................... 1,000 lb. capacity winch and cable
Viewing Angle .... >60°

TRAILER

Length Overall (operating).......... 122" (310 cm)
Lenght Overall (towing) .... 159" (404 cm)
Width Overall.................................... 56" (142 cm)
Height Traveling .... 95" (241 cm)
Height Operating............................ 180" (457 cm)
Ground Clearance.......................... 13" (33 cm) min.
Tongue Length................................. 61.5" (156.2 cm)
Weight.. 1,600 lbs (726 kg) approximately
Coupler .... Adjustable height; 2" (50 mm) ball or
                                                                3" (76.2 mm) pintle ring
Axle/Suspension .... Torq flex, independent
Display Height................................. 7 feet (213 cm) to bottom of sign

MICROTECH CONTROL CONSOLE

Console Circuitry .... Ultra-low power solid state
Console Touchpad .... Weather-resistant, backlit, five-button touchpad
Programming Software .... Proprietary with automatic remotely managed
                                                                upgrades (field upgradable for units not
                                                                connected to Command Center)
Message Display Time .... User-selectable (0.1 to 99 seconds)
Display Update Time .... Instantaneous (nearly)
Non-Volatile Memory .... 16 GB Micro SD card
Password Protection .... User-selectable, all level access
Operator Interface .... Easy-to-navigate menus (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) 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 in aluminum frame
Solar Array Power Output............ Standard 160 watt (nominal)
Solar Charge Controller .... Automatic, temperature compensated, MPPT
                                                                (Maximum Power Point Tracking)

PHOTOCELLS

Two photocells located on the front and back of the speed sign provide enhanced adjustment to ambient light.

BEACON LAMPS

Two (2) circular, 12" in diameter, amber LED lamps mounted horizontally centered on top of and below the speed sign. Flash rate: 50 - 60 per minute.
Height with beacon lights: 15 feet.
Automatic dimming feature (via control console) adjusts brightness under varying light conditions.

SPEED LIMIT SIGN

Sign Sizes
    Speed Limit .... 48" w x 60" h (122 cm x 152 cm)
    Work Zone .... 48" w x 12" h (122 cm x 30 cm)
Sign Construction .... All aluminum, Type III Coated
Sign Height........................ 7 feet (214 cm) to bottom of sign

OPTIONS AND UPGRADES

REMOTE COMMUNICATIONS
Includes GPS reciever, cellular transceiver, and FREE cellular service*. Remotely access and track your SLT-2000.
*With this option, cellular service will be provided free of charge, and is limited to carrier supported generational wireless technology.

SOLAR ARRAY OPTION
• 220 watt

BATTERY UPGRADES
• Four (4) maint. free (Gel Cell or AGM), 520 amp/hour capacity
• Six (6) lead acid (flooded) or maint. free (Gel Cell or AGM) 780 amp/hour capacity
• Eight (8) lead acid (flooded) or maint. free (Gel Cell or AGM) 1040 amp/hour capacity
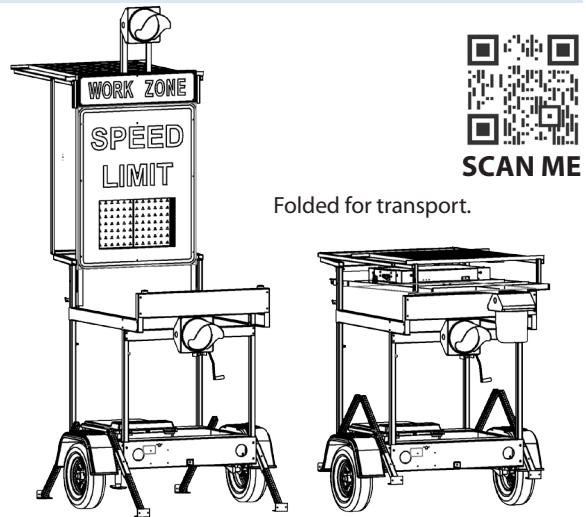
BATTERY CHARGER OPTIONS
• 45 amp, 120 volt AC   • 55 amp, 120 volt AC

CONTROLLER OPTION
• Upgrade to MegeTech Touchscreen Controller

SECURITY OPTION
Anti-theft steel security frame bolted to trailer
Vandal-Proof Battery Box reinforced steel cage

SCAN ME

Folded for transport.

Custom colors available

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www.solartechnology.com

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Made in the USA