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Traffic Safety Corporation  
2708 47th Ave.  
Sacramento, CA 95822-3806  
U.S.A.

# Changeable Message Display Trailer Mounted

*"GET THE MESSAGE ACROSS"*

MODEL MB8249WF

## FEATURES

- Graphic Capability
- Compact Trailer Design
- Quick Message Selection
- Solar Powered
- Removable Tongue
- Lockable Cabinets
- Password Protection
- Powder Coat Paint
- Tongue Jack (with wheel)
- NTCIP Controller Standard
- Independent Module Operation
- Photocell for Auto dimming
- RF Immunity

## GRAPHIC CAPABILITY

- MUTCD Symbols
- Arrow Board Patterns



## QUICK SELECTION SWITCH

With our **Quick Message Selection Switch** you can switch between the first 16 user defined messages that you create. This will allow for field workers to have no experience in programming - just turn the thumbwheel to desired message number.



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## General Specifications for Model MB8249WF

Solar Powered, Portable Changeable Message Sign. Capable of three lines of alphanumeric 10" high text and graphics/animations, all LED display, self contained on-board computer, multiple alphanumeric fonts, powder coat paint system, and display is 82" x 49", with winch style trailer. Supports up to 260 predefined messages (text and graphics). Supports storage of up to 100 changeable messages. System comes standard with four-(4) 6-volt batteries and 120 watts of solar. NTCIP Compliant.

### Trailer

**Width:** 68-1/2"  
**Length with tongue:** 104-3/4"  
**Length without tongue:** 55"  
**Transport Height:** 86"  
**Salt Spray:** 1,000 hours  
**Paint:** Powder Coat  
**Main frame:** 2"x2" 1/8" tubular steel  
**Front/Rear Cross members:** 2"x2" 1/8" tubular steel  
**Wheels:** 15"  
**Axle:** 3500lbs leaf spring  
**Fenders:** 16 gauge bolt on  
**Jacks:** (4) adjustable corner jacks & tongue jack with wheel.  
**Hitch:** 2" ball

### Display Modules

**Pixel Matrix:** 27x48 Pixel Arrangement  
**LED Module:** Each is 6x9 matrix  
**LED's Per Pixel:** 3  
**LED Type:** Agilent amber 592NM  
**Viewing Angle:** 30 degrees  
**Hours:** 100,000 hour LED  
**Lines:** Displays 3 lines of text and also displays **Graphics**  
**Characters per line:** 8 (12 characters optional)  
**Character Height:** 10"  
**\*If one module fails the remainder of board is unaffected.**

### Options

Locking lug nuts  
Cell Modem  
Radar  
Pintle ring or bulldog hitch  
Electric or hydraulic brakes  
Custom Paint  
Other Options available

### Display Enclosure

**Construction:** Extruded Aluminum 6063 alloy  
**Length:** 82" **Width:** 49" **Depth:** 6"  
**Paint:** Powder coat paint  
**Salt Spray:** 1000 hours  
**UV Resistant:** 500 hours  
**Seal:** Weather resistant  
**Venting:** Vented top and bottom  
**Front face:** 1/8" Lexan UV matte finish  
**Raising and lowering of display:** Manual winch

### Power and Charging

**Batteries:** (4) 6 volt 225 amp batteries  
**Battery Charger:** 110 Volt, 1000 watt, 60amp  
**Recharge:** 24 hours  
**Onboard diagnostics to monitor:** Solar, battery, and load  
**Reliability:** 10+ days without sunlight  
**Solar:** (1) 120 watt solar panel  
**Regulator:** 30 amp regulator with low voltage & high voltage disconnect.

### Controller

**Preprogrammed Messages:** 260 also includes arrow and MUTCD symbols  
**User programmable:** 100  
**Message Timing:** Slow, medium, fast  
**Dimming:** Auto or Manual  
**Protection:** Password  
**Quick Message Selection:** Thumbwheel to quickly select between 16 user programmable messages.  
**Controller Display:** LCD  
**Data Entry:** Mini Keyboard  
**Memory:** Non volatile  
**\*Pre-wired to accommodate radar, cell modem, and PC**  
**\*\*"Auto Resume" after power failure**