

Silent Messenger II Message Board

DISPLAY PANEL

Panel Size	92" x 54" (234 cm x 137 cm)
Pixel Array/Size	27 x 48 pixel array with 1.77" (45 mm) pitch
Character Height	9" to 46" (23 cm to 117 cm)
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	Twelve (12)
Graphics Capability	Full matrix with full animation
Display Technology	LED (amber, 592 nm)
Display Brightness	>10,000 candela per square meter
Display Life Expectancy	10 years typical
Viewing Angle	>30°

TRAILER

	Standard Trailer	Lift & Rotate Trailer
Length Overall (operating)	112" (284 cm)	108" (274 cm)
Length Overall (towing)	112" (284 cm)	152" (386 cm)
Width Overall	92" (234 cm)	77" (196 cm)
Width Across Fenders	75" (191 cm)	77" (196 cm)
Height Traveling	92" (234 cm)	101" (257 cm)
Ground Clearance	13" (33 cm)	13" (33 cm)
Height Operating	142" (360 cm)	142" (360 cm)
Weight of MB II Panel	1,560 lbs (708 kg)	2,000 lbs (907 kg)
Coupler	2" (50 mm) ball or 2.5" (64 mm) pintle ring	2" (50 mm) ball or 3" (76 mm) pintle ring
Lifting Mechanism	1,000 lb. automatic brake, winch & cable	1,000 lb. electric linear actuator
Axle/Suspension	(for both) Torq flex, independent	

MEGA-TECH CONTROL CONSOLE

Console Circuitry	Ultra-low power solid state
Console Touchscreen	Waterproof, backlit, full-color GUI, intuitive icon-driven, multi-lingual
Programming Software	Proprietary with automatic remotely managed upgrades (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	4 GB Micro SD card
Password Protection	User-selectable, multi-level
Operator Interface	Easy-to-use icons (no manual required)
Connectivity	Supports NTCIP version 2 via UDP/IP over Ethernet, UDP/IP over the built-in cellular modem, and PMPP over RS-232.
Remote Control	Embedded cellular transceiver with free cellular service and fleet management software included
GPS	Integrated GPS receiver

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
Battery Security	Anti-theft steel battery frame bolted to trailer
Solar Array Construction	Top-mounted solar panels in aluminum frame
Solar Array Power Output	Standard 160 watt (nominal)
Solar Charge Controller	Automatic, temperature compensated
Auxiliary Battery Charger	45 amp, 120 volt AC



OPTIONS AND UPGRADES

UPGRADES - for Lift and Rotate Trailer only

- 30 x 48 pixel display panel at 1.77" (45 mm) pixel pitch
- 30 x 56 pixel display panel at 1.77" (45 mm) pixel pitch
- Tilt and Rotate Solar Arrays:
 - 160 watt • 240 watt • 320 watt

SOLAR ARRAY UPGRADES - both trailers

Fixed Solar Arrays: • 240 watt • 320 watt

BATTERY UPGRADES

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

BATTERY CHARGER UPGRADE

- 90 amp - 120 volt AC

BRAKES

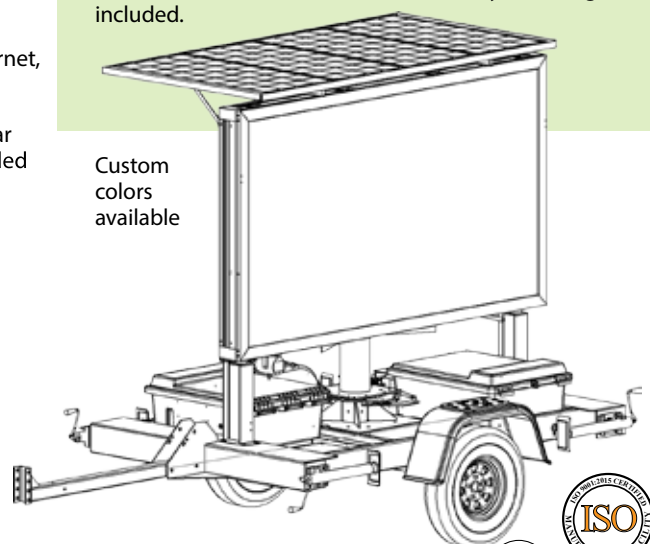
- Hydraulic Surge Brakes (5,000 lb. Capacity)
- Electric Brakes

SECURITY OPTION

- Vandal-Proof Battery Box reinforced steel cage

RADAR OPTIONS

- Directional doppler K-Band. User-configurable KPH or MPH. Data Collection and Statistical Analysis Package included.



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