



As Reliable as the Sun

Silent Sentinel ECO Arrow Board 15 or 25 Lamp Models

USES AND ADVANTAGES

For customers who are fiscally minded, or have had problems with battery theft, we introduce the ECO, an economically friendly and eco-conscious alternative.

The ECO, available in 15 and 25 lamp configurations, is built on a rugged steel trailer with a wide footprint for enhanced stability, and has a 96" w x 48" h display panel. To provide better handling and ground clearance, the trailer includes a torsion axle.

Standard on this model is a side rail mounted control panel. Installed at eye level, it allows for easy access and programming. The ECO is powered by a combination of solar panels and fully sealed maintenance-free AGM batteries, which are concealed in the trailer frame. To enable quick and easy charging of batteries, a charging plug is included on all models.

OPTIONAL REMOTE COMMUNICATIONS*

With this option, the ECO will come with a GPS receiver, cellular transceiver, and **FREE lifetime cellular service***. Use with SolarTech's Command Center software to manage and monitor your units remotely from a PC, laptop, or smartphone!

Available on models with four (4) or more batteries.



NEW STANDARD FEATURE!

SIDE RAIL MOUNTED CONTROLLER

Installed on side rail at eye level.

Allows for easy access and programming.

EASY-TO-USE CONTROLLER



Arrow and warning patterns can be changed with the press of a button.

Automatic fault protection is built in.

Control module displays:

- Battery level
- Solar charger status
- Lamp intensity



15 Lamp Models

Model	Solar Array
AB-0515	50 Watt
AB-0715	110 Watt

25 Lamp Models

Model	Solar Array
AB-0525	50 Watt
AB-0725	110 Watt



www.solartechology.com

Silent Sentinel ECO Arrow Board

DISPLAY

Panel Size	96" x 48" (244 cm x 122 cm)
Panel Construction	All aluminum with welded frame
Panel Finish	Matte black baked enamel finish
Lamp Intensity	1,000 Candela (typical), 750 Candela (min.)
Lamp Beam Angle	30° horizontal x 6° vertical (minimum)
Lamp Construction	LED (20 per lamp) in unbreakable sealed polycarbonate housing
Lamp Shrouds	360° high-impact plastic
Rear Panel Indicators	Three (3) LED
Lamp Dimensions	5" (12.7 cm) diameter
Lamp Life Expectancy	100,000 hours (minimum), 200,000 hours (typical)

TRAILER

Length Overall (towing)	111" (282 cm)
Length Operating	122" (310 cm)
Length (excluding tongue) ...	53" (135 cm)
Width Overall	96" (244 cm)
Width Across Fenders	75" (190 cm)
Height Traveling	92" (234 cm)
Height Operating	137" (348 cm)
Ground Clearance	13.5" (34 cm)
Weight (approx)	1,200 lbs. (544 kg)
Coupler	2" ball (50 mm) or 2.5" (64 mm) pintle ring
Lifting Mechanism	1,000 lb. (454 kg) capacity (minimum) automatic brake winch and cable

CONTROLLER

Controller Circuitry	Solid-state charge controller
Power consumption	Without lamps: < 0.5 watts With GPS & Cell: < 1.3 watt
Lamp Patterns	All standard 15 & 25 lamp flashing & sequential
Lamp Flash Rate	30 per minute
Lamp Dimming	Manual and automatic
Lamp Power Drivers	Current limited and thermal overload protected with "soft start" feature
Voltage Disconnect	Low disconnect at 10.70 volts, high at 15.10 volts

ENERGY SOURCE

Operating Voltage	12 Volts DC (nominal)
Battery Type	AGM (Absorbed Glass Mat), sealed; 12V, 21 amp hours
Number of Batteries	Two (2), concealed in frame
with Auxiliary Batteries	Four (4), six (6) or eight (8), concealed in frame
Battery Capacity	Two (2) AGM batteries - 42 amp hours
with Auxiliary Batteries	Four (4) AGM batteries - 84 amp hours Six (6) AGM batteries - 126 amp hours Eight (8) AGM batteries - 168 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	50 or 110 watts - field-upgradable
Solar Charge Controller	Fully automatic, temperature compensated



AVAILABLE OPTIONS

REMOTE COMMUNICATIONS*

Remote access and GPS tracking is available on models with four (4) or more batteries. With the GPS receiver and cellular transceiver you can:

LOCATE your board via Command Center's maps

SEE Battery Voltage from your desk

SEE HISTORY of what was displayed and when

*With this option, cellular service is provided free of charge, and is limited to carrier supported generational wireless technology.

BATTERY UPGRADES

- Four (4) maintenance-free AGM
- Six (6) maintenance-free AGM
- Eight (8) maintenance-free AGM

AUXILIARY BATTERY CHARGERS

- 5 amp, 120 volt AC line-powered: recharges batteries in less than 24 hours (2, 4 & 6 battery models); in less than 36 hours for 8 battery model

OTHER OPTIONS

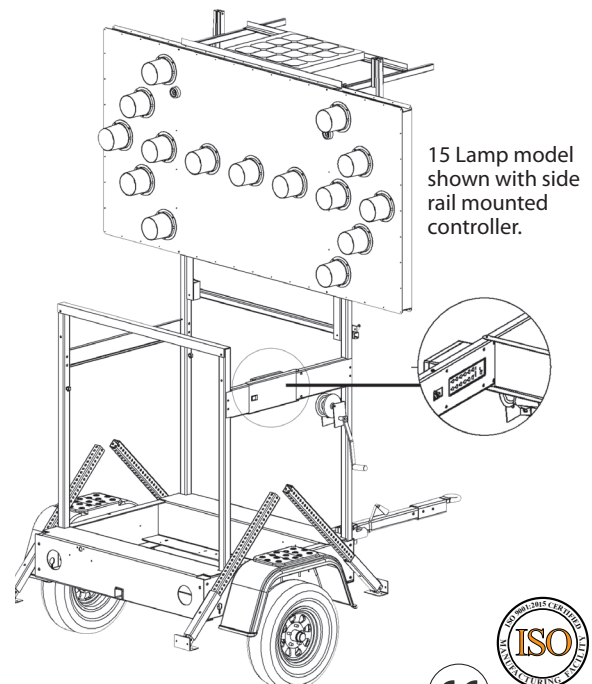
Additional Storage: Deck Plate

Brakes: Electric Brakes

Custom Colors and Ontario versions available

All models meet or exceed the standards for Flashing Arrow Panels as listed in the U.S. Federal Highway Administration (FHWA) Manual on Uniform Traffic Control Devices (MUTCD).

Unit specifications are subject to change.



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