



As Reliable as the Sun

Silent Sentinel Arrow Board

15 or 25 Lamp Models

USES AND ADVANTAGES

The "Silent Sentinel" Arrow Board is widely used for both construction and general traffic control. Sturdy and portable, this Arrow Board is available in 15 or 25 lamp configurations. The Arrow Board comes with a 96" w x 48" h display panel on a rugged steel trailer with a wide footprint for better stability, powered by a combination of solar panels and batteries. The torsion axle provides better ground clearance.

FREE REMOTE COMMUNICATION

Remote Access and GPS Tracking are now standard, thanks to the built-in GPS receiver and cellular transceiver with **FREE lifetime service**. Now you can:

- LOCATE your board via Command Center's maps
- SEE Battery Voltage from your desk
- SEE HISTORY of what was displayed and when

Free remote access plus our 5 Year Bumper-to-Bumper Warranty makes our Arrow Board **A Better Board**.



EASY-TO-USE CONTROLLER

Control module displays:

- Battery level
- Solar charger status
- Lamp intensity
- Cellular status
- GPS status



Arrow and warning patterns can be set with the press of a button.
Automatic fault protection is built in.



OPTIONAL CONTROLLER:

SIDE RAIL MOUNTED CONTROLLER

Installed on side rail at eye level.

Access the controller without opening battery box.

Keep battery box locked - reduce theft.

Vehicle-mounted Arrow Boards are also available. See website for a handy Configuration Guide



15 Lamp Models

Model	Solar Array
AB-0515	40 Watt
AB-0715	80 Watt

25 Lamp Models

Model	Solar Array
AB-0525	40 Watt
AB-0725	80 Watt



25 Lamp
r



15 Lamp



Silent Sentinel 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 (21 per lamp) in unbreakable sealed polycarbonate housing
Lamp Shrouds	360° high-impact plastic
Rear Panel Indicators	Three (3) LED

TRAILER

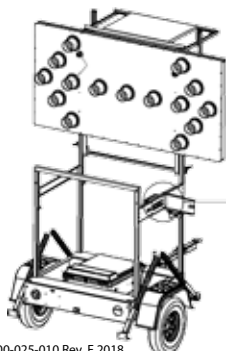
Length Overall	100" (254 cm)
Length.....	53" (135 cm) excluding tongue
Width Overall	96" (244 cm)
Width Across Fenders.....	75" (190 cm)
Height Traveling	92" (234 cm)
Height Operating	134" (340 cm)
Ground Clearance	13.5" (34 cm)
Weight (approx)	1,180 lbs. (535 kg)
Hitch.....	2" ball (50 mm) or 2.5" (64 mm) pintle ring
Lifting Mechanism	1,000 lb. (454 kg) capacity (minimum) automatic brake winch and cable

CONTROLLER

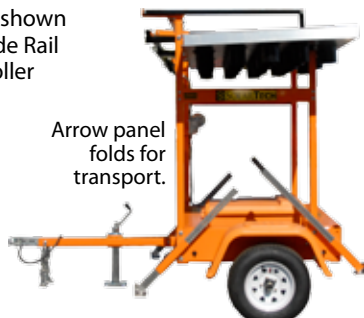
Controller Circuitry	Ultra-low power solid state
Lamp Patterns.....	All standard 15 & 25 lamp flashing & sequential
Lamp Flash Rate.....	30 per minute
Lamp Dimming	Manual and automatic
Lamp Dimming Ratio.....	50%, fully dimmed at approx. 5 footcandles
Lamp Power Drivers.....	Current limited and thermal overload protected with "soft start" feature
Voltage Disconnect	Low disconnect at 10.70 volts, high at 15.10 volts

ENERGY SOURCE

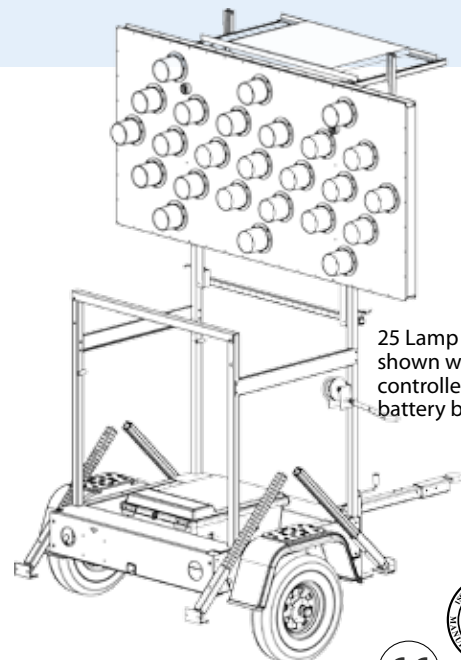
Operating Voltage.....	12 Volts DC (nominal)
Battery Type	6 Volt heavy duty, deep cycle (GC-2) protected by anti-theft steel security frame and hardware
Number of Batteries	Two (2) standard lead acid (flooded)
with Auxiliary Batteries	Four (4) standard lead acid (flooded)
Battery Capacity.....	260 amp hours
with Auxiliary Batteries	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	40 or 80 watts - field-upgradable
Solar Charge Controller.....	Fully automatic, temperature compensated



15-Lamp model shown with optional Side Rail Mounted Controller



Arrow panel folds for transport.



25 Lamp model shown with controller in battery box



AVAILABLE OPTIONS

BATTERY UPGRADES

- Four (4) standard Flooded
- Two (2) maintenance-free Gel Cell or AGM
- Two (2) maintenance-free Gel Cell or AGM

AUXILIARY BATTERY CHARGERS

- 45 amp, 120 volt AC line-powered: recharges batteries in less than 9 hours

OPTIONAL SIDE-MOUNT CONTROLLER

Side-Mount Controller brings controls to eye-level and away from battery box

OTHER OPTIONS

Security: Vandal-Proof Battery Box reinforced steel cage
Brakes: Electric Brakes
 Custom Colors and Canadian 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).

P/N 500-025-010 Rev. F 2018



SOLAR TECHNOLOGY, INC.
 7620 Cetronia Rd. Allentown, PA 18106
 Phone: 800-475-5442 or 610-391-8600

www.solartechnology.com

