



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.

OPTIONAL REMOTE COMMUNICATION

When choosing this option, your Arrow Board will come with a GPS receiver, a cellular transceiver, and **FREE lifetime cellular service***.

Use with Command Center software to manage your fleet from your laptop, PC, or Smartphone...without leaving your desk! With the remote communications package you can:

- LOCATE your board via Command Center's maps
- SEE Battery Voltage
- VIEW and SCHEDULE arrow patterns
- SEE HISTORY of what was displayed and when
- CONTROL units individually or as a group
- RECEIVE automatic email notifications

Keep tabs on your entire fleet. No more misplaced equipment...fewer problems...less downtime!

5 Year
LIMITED
Warranty
SINCE 2009

OPTIONAL
LIFETIME
CELLULAR
SERVICE!

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.

ECO MODEL: OPTIONAL SIDE RAIL MOUNTED CONTROLLER



Installed on side rail at eye level.

Access the controller without opening battery box.

Keep battery box locked - reduce theft.

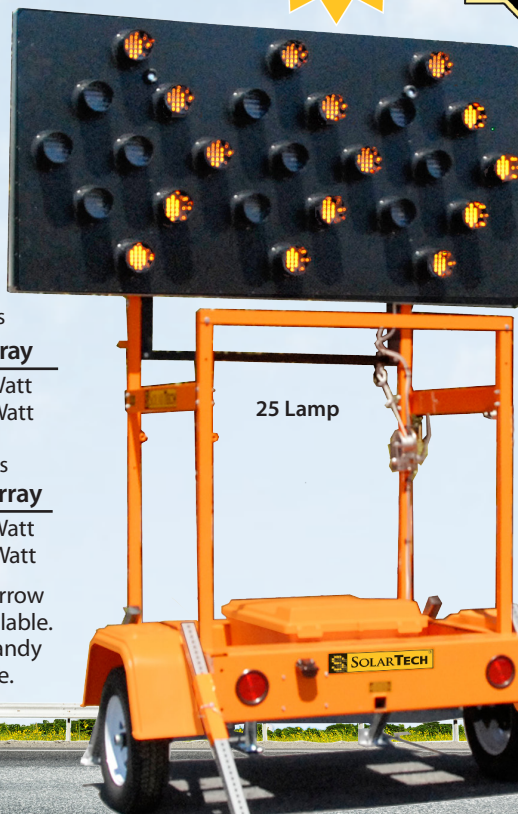
15 Lamp Models

| 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 |

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



25 Lamp



15 Lamp

www.solartechnology.com

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 (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

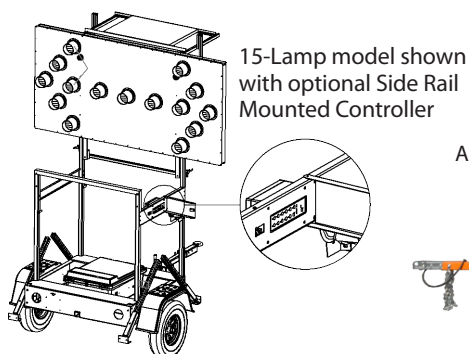
| | |
|-------------------------------|---|
| Length Overall (towing) | 111" (282 cm) |
| Length Operating | 122" (310 cm) |
| Length (excluding tongue) ... | 53" (135 cm) |
| Width Overall | 96" (244 cm) |
| Width Across Fenders | 75" (190 cm) |
| Height Traveling | 92" (234 cm) |
| Height Operating | 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 | 6 Volt heavy duty, deep cycle (GC-2) |
| 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 |
| Solar Array Construction | Top-mounted solar panels in aluminum frame |
| Solar Array Power Output | 50 or 110 watts |
| Solar Charge Controller | Fully automatic, temperature compensated |



AVAILABLE OPTIONS

BATTERY UPGRADES

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

AUXILIARY BATTERY CHARGERS

- 45 amp, 120 volt AC
- 55 amp, 120 volt AC

OPTIONAL REMOTE COMMUNICATION

Remotely access and track your arrow board.

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

OPTIONAL SIDE-MOUNT CONTROLLER

The ECO Arrow Board 15 and 25 Lamp Models includes a side-mounted controller, offering controls at eye-level and away from battery box.

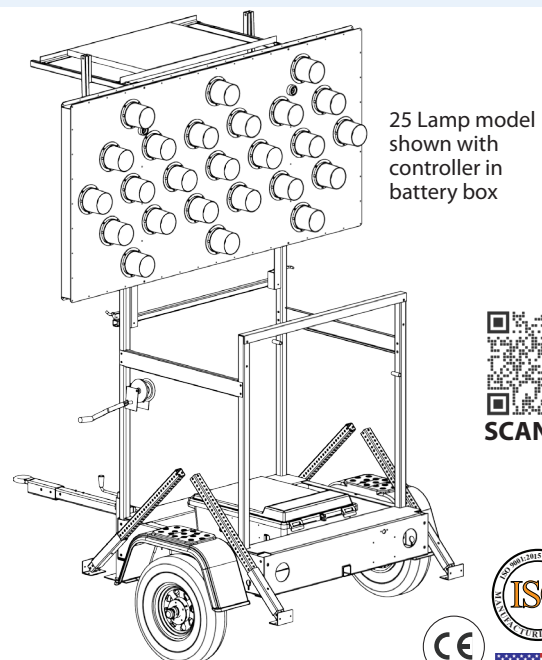
OTHER OPTIONS

Battery Security: Anti-theft steel battery frame bolted to trailer 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).



Made in the USA



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