



Solar Arrow Board (15 LED Lights)



PRODUCT INFORMATION:

The ST-4815 is a solar powered trailer mounted arrow board consisting of a 15 LED lights board with solar panel and battery bank, all mounted on a heavy-duty trailer.

DIMENSIONS:

- * Overall length: 3429 mm (135")
- * Overall Width: 1676 mm (66")
- * Overall Height: 3429 mm (135")
- * Traveling height: 2337mm (92")
- * Operating height: 3429 mm (135")

PROGRAMMING:

- * Flashing mode: right arrow, left arrow, double arrow, caution bar, four-corner

SOLAR POWER SUPPLY:

- * Various configurations of solar panels and batteries are available
- * Solar regulator with battery surcharge protection

OPTIONS:

- * Battery charger
- * Adjustable pintle hitch
- * 2" coupler or 2 5/16" coupler
- * 120 volt AC connection
- * Torsion axle
- * Safety lock: Wheel, battery boxes, ext.
- * Tongue wheel jack
- * Level (to stabilize sign)

TEMPERATURE RANGE:

- * Operational: -40° to + 74°C
(-40° to +165° F)
- * Storage: -40° to + 85°C (-40° to +185° F)

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**CONTROLLER:**

- * Rotary switch function switch
- * Built-in solar regulator
- * Battery saver automatic shut-off feature
- * Flashing mode: right arrow (10 lamps), left arrow (10 lamps), double arrow (13 lamps), caution (4 lamps)
- * Flash rate is constant regardless of voltage or load with a flash cycle of 40
- * Automatic intensity control via photocell for nighttime mode

ELECTRICAL INTERFERENCE:

- * The ST-4815 is not affected by all normal (standard) types of RF interference

RELATIVE HUMIDITY RANGE:

- * Operating 10 to 95% RH, non-condensing

TRAILER MATERIAL:

- * 51 mm x 152 mm x 3.175 mm steel tubing (2" X 6" X 1/8")
- * Diamond plate catwalk is mounted on the display side of the trailer to simplify maintenance.

CABINETS:

- * Aluminum Arrow sign
- * Plastic battery boxes
 - o Optional: steel battery boxes, safety locking bars
- * Weather stripping sealing each compartment against moisture

AXLE:

- * Single 907 kg (2000-lb) rated straight hydraulic axle

HITCH:

- * Heavy-duty hitch capacity
- * with 72 mm (3") pintle eye, optional: 51 mm (2") ball coupler
- * 1361 kg (3000-lb) maximum tongue load
- * Heavy-duty safety chains with safety hooks meeting safety standards

TIRES & WHEELS:

- * Tires: Load Range D 381 mm (15")
- * Wheel Size: 381 mm (15"),
- * 5-stud tire rims, optional: Anti-theft locking mechanism

LEVELING JACKS:

- * Two-screw jacks each rated at 907 kg (2000 lbs)
 - o Optional: Tongue wheel jack

TRAILER LIGHTS:

- * State-of-the-art halogen lighting per USDOT standards and specifications
- * Custom made connections complying with customer specifications

**LIFT MECHANISM:**

- * Manual winch

SOLAR PANELS:

- * Various configurations of solar panels and batteries are available.
- * High efficiency single-crystal silicon cells anti-reflected coated for improved efficiency.

BATTERIES:

- * 6-volt 220 amp/hour deep-cycle batteries wired to provide a 12-volt system
 - o Optional: Various batteries and configurations available

LEGIBILITY:

- * Arrows displayed are easily legible at over 1600 meters (5249 feet)

DISPLAY:

- * 590nm (\pm 2nm) amber-color LEDs
- * LEDs have a rated life of 100,000 hours
- * Each amber-color LED is enhanced optical lens to maximize legibility from all distances
- * LED output adjusts automatically to ambient light conditions
- * 100 brightness levels
(1-100% by steps of 1%)

PAINT:

- * State-of-the-art powder coating system
- * « Highway safety orange »
- * is the standard color used
 - o Optional: Other colors available to comply with different regulations or match client fleet standard
- * Powder coating quality
 - o Certified UV protect paint
 - o Impact resistant
 - o Humidity Resistant
 - o Salt spray resistant

MAINTENANCE:

- * Battery fluids should be checked and topped off at least once per month
- * Solar panels must be free of dust and snow

WARRANTY:

- * 1-year warranty on complete trailer
- * 2-year warranty on electronics
- * 6-month manufacturer's warranty on batteries
- * Limited warranty on solar panels differ from one manufacturer to another

TECH SUPPORT:

- * 24/7 technical support

PRODUCT CODE: SAB15

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