Solar Arrow Board (25 LED Lights)

PRODUCT INFORMATION:
The SAB-25 is a solar powered trailer mounted arrow board consisting of a 25 LED lights board with solar panel, and a battery bank, all mounted on a heavy-duty towable trailer. Made in the United States.

OVERALL 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, chevron, sequential, four-corner

DISPLAY:
* 4’ x 8’ 25 LED light panel.

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 axel
* Safety lock: Wheel, battery boxes, ext.
* Tongue wheel jack
* Contrast boarder (Ex: reflective)
* Level (to stabilize sign)
TEMPERATURE RANGE:
* Operational: -40° to + 74°C
  (-40° to +165° F)
* Storage: -40° to + 85°C (-40° to +185° F)

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), caution bar (7 lamps), chevron (15 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 SAB-25 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
* Steel battery boxes with locking system
* 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)
  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
  Optional: Various batteries and configurations available

LEGIBILITY:
* Messages displayed are easily legible at over 1600 meters (5249 feet)

DISPLAY:
* 590nm (± 2nm) amber-color LEDs
  * LEDs have a rated life of 100,000 hours
  * Each amber-color LED is encased in an 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
  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: SAB25