



Solar Arrow Board Trailer

General Description

The **Ver-Mac ST- 4815 & ST- 4825** are solar powered trailer mounted arrow boards consisting of a 15 or 25 LED lamp board respectively with solar panel, and a battery bank, all mounted on a heavy-duty towable trailer.

ARROWBOARD TRAILERS OVERALL SIZE & WEIGHT

- Length: 1676 mm (66") x 1321 mm (52")
- With stabilizer arms extended: 1676 mm (66") x 2997 mm (118")
- Panel height to bottom of sign when raised: 2260 mm (89")
- Overall height: 3480 mm (137-9/16")
- Weight: (ST-4815) 431 kg (950 lbs)
- Weight: (ST-4825) 522 kg (1150 lbs)
- Axle/suspension: 953 kg (2100 lbs)
- Winch: 454 kg (1000 lbs)
- Pintle eye: 76 mm (3") pintle or
- Ball coupler: 51 mm (2")

ARROWBOARD SIGN TEMPERATURE RANGE

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

ARROWBOARD SIGN RELATIVE HUMIDITY RANGE

- Operating 10 to 95% RH, non-condensing

ARROWBOARD SIGN TRAILER MATERIAL

- 51 mm x 76 mm x 3.175 mm steel tubing (2" X 3" X 1/8")

ARROWBOARD TRAILER HITCH

- Heavy-duty hitch capacity with 72 mm (3") pintle eye
Optional: 51 mm (2") ball coupler
- Heavy-duty safety chains with safety hooks meeting safety standards

ARROWBOARD TRAILER TIRES & WHEELS

ARROWBOARD SOLAR PANELS

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

ARROWBOARD SIGN BATTERIES

- 6-volt 225 amp/hour deep-cycle batteries wired to provide a 12-volt system
Optional: Various batteries and configurations available

ARROWBOARD SIGNS

- 1219 mm x 2438 mm (4' x 8')
- 914 mm x 1823 mm (3' x 6')
- Aluminum
- One coat of black enamel and one coat of non-reflective black air-dried

ARROWBOARD LAMPS

- 15 par 36 or 25 par 36 LED lamp configurations
- 3 mode indicator lamps located on the back of the panel (4 per LED lamps)

CONTROLLER

- 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
- Manual dimming option

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

ARROWBOARD TRAILER LEVELLING JACKS

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

ARROWBOARD TRAILER LIGHTS

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

ARROWBOARD LIFT MECHANISM

- Cable and winch 227 kg (500 lbs)

ARROWBOARD SIGN LEGIBILITY

- 1.6 kilometer (one-mile) legibility

ARROWBOARD TRAILER PAINT

- State-of-the-art powder coating system
- Standard color used is « highway safety orange »

ARROWBOARD SIGN MAINTENANCE

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

ARROWBOARD SIGN 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