

## 10" Character, Solar Powered, Portable Changeable Message Sign

### Trailer Dimensions

- Length with tongue: 104¾"
- Length without tongue: 55"
- Width with fenders: 68½"

### Trailer Specifications

- Frame: 2" x 2" x 1/8" tubular steel
- Axle and Springs: Straight tubular steel 3500 pounds
- Wheels and Tires: 5 lug -- P205/75R15
- Fenders: 16 -- gauge steel
- Tongue and Safety chains: 2" hitch, ¼" safety chains with hooks
- Jacks: Adjustable 10" jacks (2000 lbs. Capacity) on each corner of the trailer. Tongue jack.
- Tail lights: Dual combination reflective lights with stop, tail and turn signal. License plate bracket.
- Lift winch: Gear ration-4: 1, Load Capacity-1200 lbs. Reel Capacity 58 FT.
- Wiring: Enclosed in jacketed cable or conduit
- Battery/Controller box: Steel fabrication, lockable, hinged, vented.

### Sign Frame

- Frame constructed of extruded aluminum, 6063 alloy with a T5 temper.
  - Length: 82"
  - Height: 49"
  - Depth: 6"
  - Mounting Studs: constructed of .080 aluminum
  - Back skin: constructed of .080 aluminum
  - Viewing Window: .125 thick polycarbonate with UV matte finish
  - Paint: Powder paint, flat black finish
  - Salt spray fog: 1,000 hours
  - UV Resistance: 500 hours

### Display Module 6 x 9 pixel, 1.58" pitch

- Specifications:
  - Optical:
    - LED pixel is formed using 3 LED's
    - Pixels are arranged in a 6 wide by 9 tall matrix array.
    - LED pixel spacing is 1.58 inches x 1.58 inches
    - Agilent Amber lamps, 592 NM wavelength, 30 degree viewing angle, bins 4.2 cd to 12 cd
    - LED module is painted a flat black to improve contrast and reduce glare.
    - Supports up to 260 predefined messages (text).
    - Supports storage of up to 100 changeable messages, each with up to 4 pages of text.
    - Four different fonts:
      - 5 x 7
      - 7 x 7 bold
      - 8 x 10
      - 4 x 7

### Photocell Assembly

- Monitors ambient light conditions and adjusts brightness accordingly

### NTCIP

- Supports the latest version of NTCIP and can be CERTIFIED by third party for its full functionality and conformance.

### Power and Charging

- Battery bank:
  - Typical installation is two pair (225 amp) 6-volt batteries wired for 450 combined amps maximum output.
- Electronic Circuitry: Solid state, reverse polarity protection, properly fused, disconnects on all cables.
- Battery Charger:
  - Input volts 105-130VAC
  - Max. Amp Draw 15
  - Max. Watt Draw 1000
  - Output Amps 60

### Solar Panel – Two (2)

- Typical Electrical Characteristics 80 Watt Panel
- Voltage at Pmax (V mp) 17.3 V
- Current at Pmax (IMP) 4.62 A
- Short-Circuit Current (Isc) 5.14 A
- Open-Circuit Voltage (Voc) 21.6 V

### Typical electrical characteristics

- Regulator
  - CC-IP30-30:
    - 3-position battery select: gel, sealed, or flooded
    - 100% solid state.
    - LED's indicate battery status and faults.
    - Rated Solar Current 30 amps
    - Rated Load Current 30 amps
    - System Voltage 12/24 volts