

MODEL NEMB3LWT SPECIFICATIONS

18" Character, Solar Powered, Portable Changeable Message Sign

Trailer Dimensions

- Length with tongue 177¾"
- Length without tongue 128"
- Overall width 79"

Trailer Specifications

- Mainframe: 3"x5"x1/8" tubular steel
- Front/Rear cross members: 3"x3"x1/8" tubular steel
- Axle and leaf 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 15" 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.
- 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: 131"
 - Height: 76"
 - 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 5 x 7 pixel, 2.85" pitch

- Specifications:
 - Optical:
 - LED pixel is formed using 4 LED's
 - Pixels are arranged in a 5 wide by 7 tall matrix array.
 - LED pixel spacing is 2.85 inches x 2.85 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 215 predefined messages (text).
 - Supports storage of up to 100 changeable messages, each with up to 4 pages of text.
 - Three different fonts:
 - 5 x 7
 - **7 x 7 bold**
 - 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 three pair (225 amp) 6-volt batteries wired for 675 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 110 Watt Panel
- Voltage at Pmax (V mp) 16.9 V
- Current at Pmax (IMP) 6.51 A
- Short-Circuit Current (Isc) 7.27 A
- Open-Circuit Voltage (Voc) 21.0 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

Manufacturer reserves the right to make changes in its products from time to time without incurring any obligation to incorporate such improvements in any products previously sold or in service.