

**MODEL WS30-2 SPECIFICATIONS**  
**Solar Powered, Folding Trailer Mounted Portable Regulatory Sign**

**Trailer Dimensions**

- Length with tongue: 104¾"
- Length without tongue: 55"
- Width with fenders: 68½"
- Bottom of sign when raised: 84"

**Trailer Specifications**

- Frame: 2" x 2" x 1/8" tubular steel
- Paint: Powder paint, orange with zinc primer
- Salt spray fog: 1,000 hours
- UV Resistance: 500 hours
- 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.
- 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.

**Warning Light Enclosure**

- Frame constructed of extruded aluminum, 6063 alloy with a T5 temper.
  - Length: 7½"
  - Height: 8"
  - Depth: 2"
  - Back skin: constructed of .063 aluminum
  - Paint: Powder paint, door flat black, balance white
  - Salt spray fog: 1,000 hours
  - UV Resistance: 500 hours
  - LED bulbs: (2) yellow/amber Par 46 LED's with 360 ° high impact plastic visor
- Push on type connectors to prevent separation due to vibration during travel and operation.
- Wig Wag operation

**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 one (100 amp) 12-volt batteries wired for 100 combined amps maximum output.
- Electronic Circuitry: Solid state, reverse polarity protection, properly fused, disconnects on all cables.

**Solar Panel**

- Typical Electrical Characteristics 20 W
- Voltage at Pmax (V mp) 17.3 V
- Current at Pmax (IMP) 1.16 A
- Short-Circuit Current (Isc) 1.29 A
- Open-Circuit Voltage (V oc) 21.6 V

**Solid State Regulator**

**Electrical Specifications:**

- Voltage: 12V
- Rated Solar Input: 10A
- Rated Load Current: 10A
- Equalization Voltage: 14.8V
- Boost Battery: 14.4V
- Float Battery: 13.6V
- Low Voltage Disconnect: 11.1V
- Low Voltage Reconnect: 13.1V
- Self-Consumption: 6 mA
- Operating Temp. -35 to +55°C

**Included Signage**

- Speed Limit when flashing sign (36" x 48") with interchangeable numbers
- Workers Ahead sign (12" x 36")

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.