

The Sunray Solar 190 combines the advantages of a highly portable and solar-powered large display trailer with LED Full Matrix technology and Radar capabilities.

- *Highly efficient display*
- *Cutting edge AllnGaP LED technology*
- *Environmentally friendly, Solar Powered*
- *Hundreds of pre-programmed messages, MUTCD messages, and operator-created messages*
- *Cost effective, reliable and easy to operate*
- *Meets all MUTCD safety specifications, NTCIP compliant*
- *6 fonts from 6" to 27" character height*
- *Crank-type raise/lower mechanism with lock, positive locking mechanism in raised and lowered positions*
- *Solar panels pivot with panel to optimize charging, cleaning and travel*
- *Moving arrows, chevrons and other graphics with auto centering of messages*



The 190 displays a variety of graphics and extended messages, whether pre-programmed or entered by the user in the field.

Find out more about the great features of the Sunray 190 on the following page.

Specifications

Trailer Construction

Width across fenders	75"
Drawbar	3" x 3" x .375 wall steel tube, removable
Fenders	formed steel
Frame	(4) post design 2.12 x 1.87 x .125 wall steel tubing MIG welded to chassis
Length w/ drawbar	114"
Length w/o drawbar	67"
Height sign up	153"
Height sign down	97"
Hitch	2" ball class II 3500 lb capacity
Jacks	(4) slide type plated, (1) swing type
Tire size	ST205/75-D15 load C
Weight	1800 lbs
Lift mechanism	Winch, 2500 lb disc brake, 1/4 diameter galv. steel rope 4400 lb test

Display

Pixel matrix	28 rows by 48 columns
Character size	6 fonts from 6" to 27", 3 lines x 12 characters, graphics capable
Display size	48" x 96" with front opening window
LEDs	590 nm amber, 4 per pixel
Brightness	Manual/automatic 31 levels
Photo sensor	Shielded from extraneous light
Enclosure	Aluminum, finished powder coated black
RF Interference	Unaffected

Batteries and Solar collectors

Batteries	12v deep cycle with varying options
Battery charger	45A fanned cooled, external plug, 75A
Battery enclosure	Lockable, ventilated, acid resistant
Solar collector	Crystalline silicon auto erecting

Control

Type	Proprietary embedded fully NTCIP compliant
Dimming	Manual or automatic
LCD	4 lines, 40 characters per line, backlit
Remote Comm	Cellular ready
Message Scheduling	36 events
Messages	50 user programmable (4 pages each), 300 pre-programmed including MUTCD symbols and arrows

Options

- Intellistat includes software and pneumatic tube for counting
- Cellular phone for remote operation
- Wheel locks
- Combo hitch 2" ball & 3" pintle ring
- Speed detection
- Strobe light for overspeed
- Motion alarm

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