

Traffic safety is the driving force behind National Signal's Sunray Solar LED portable changeable message signs (PCMS).

These environmentally friendly products harness the power of the sun and use the latest in light emitting diode (LED) technology to generate messages for traffic safety and management.

- *AllnGaP LED technology*
- *Hundreds of pre-programmed messages, MUTCD messages, and operator-created messages*
- *Environmentally friendly*
- *Cost effective*
- *Reliable and easy to operate*
- *Meets MUTCD traffic safety specifications*



Optional electric slide positions sign almost 2' from traffic



National Signal's Display Products brand offers a complete line of products that provide contractors and state transportation authorities with the quality products they need to ensure regulatory compliance on their road and bridge projects.

Specifications

Trailer Construction

Width across fenders	78"
Drawbar	3" x 3" x 3/16" wall tube 'A' frame
Fenders	formed steel
Frame	3" x 3" x 3/16" wall tubing
Length w/ drawbar	168"
Height sign up	166"
Height sign down	113"
Hitch	2" ball class II 3500 lb capacity
Jacks	(4) swing, (1) swing type w/ caster
Tire size	ST205/75-D15 load C
Weight	2100 lbs
Lift mechanism	Electro-hydraulic

Control

Type	Proprietary upgradeable, NTCIP compliant
Dimming	Manual or automatic/ 31 levels
LCD	4 lines, 40 characters per line, backlit
Remote Comm Messages	Cellular capable 50 user programmable (4 pages each), 300 pre-programmed including MUTCD symbols and arrows
Message scheduling	36 events

Batteries and Solar Collectors

Batteries	6v or 12v deep cycle with varying options
Battery charger	15A to 30A fanned cooled, external plug, (45A optional)
Battery enclosure	Lockable, ventilated, acid resistant
Solar collector	Crystalline silicon, 80w to 240w

Display

Pixel matrix SR380	7 rows by 5 columns, 8 characters per line, 3 lines
Pixel matrix SR345	7 rows by 5 columns, 11 characters per line, 3 lines, moving arrows, variable font widths
Character size	18" fonts
LED's	590 nm amber, 4 per pixel
Brightness	Manual/automatic 31 levels
Photo Sensor	Shielded from extraneous light
Enclosure	Aluminum, finished powder coated black

Options

- Speed detection
- Color touch tablet
- GPS module
- Hidden shackle lock brackets to secure batteries
- Combo hitch 2" ball & 3" pintle ring
- Cellular phone for remote operation
- Wheel locks
- Surge or electric brakes

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