

# SUNRAY 480



## Solar Powered LED Portable Changeable Message Sign



**User friendly interface  
and control**

### **Bright Ideas From A Bright Company**

National Signal continues to innovate with the addition of our 'mid-size' message sign. The SR480 combines the features of our large and small signs into a convenient package that delivers great legibility in a compact easy to use package. The SR480 comes equipped with 15" high characters, manual lift, and full automatic lift options. With our newly positioned control there is no more kneeling or bending over to program your message. And now, you can see your message while you program. No more walking around the sign. Find out more about the other great features of our SR480. National Signal 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.

- **AllnGaP LED technology.**
- **Hundreds of pre-programmed messages, MUTCD messages, and operator-created messages.**
- **Environmentally friendly.**
- **Cost effective.**
- **Reliable and easy to operate.**
- **Meet or exceed all state and federal highway MUTCD traffic safety specifications.**
- **NTCIP compliant.**



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## SPECIFICATIONS

### Trailer Construction

Width across fenders.....	78"
Length w/draw bar .....	124"
Height sign up.....	168 "
Height sign down.....	109"
Weight.....	2100 lbs
Tire size.....	ST205/75-D15 load C
Wheel size .....	15"
Axle capacity.....	3500 lbs
Suspension .....	Leaf spring
Color.....	Orange, optional other colors
Hitch.....	2" ball class II 3500 lb capacity
Frame .....	3" x 3" x 1/8" wall tubing
Deck material.....	1/8" steel tread plate
Fenders.....	formed steel replaceable
Draw bar .....	2 1/2" x 2 1/2" x .187" wall steel tube 'A' frame
Jacks .....	(4) swing, (1) swing type w/ caster
Lighting.....	stop, turn, and signal, side reflectors, four wire disconnect for towing
Lift mechanism.....	1,500 lb with double disk brake. 1/4" diameter steel rope cable rated 4,400 lb. Electric winch and electro-hydraulic pump optional



### Batteries and Solar collectors

Batteries .....	6v or 12v deep cycle with varying options
Battery charger.....	45A fanned cooled, external plug, (75A optional)
Solar collector.....	Crystalline silicon
Battery enclosure .....	Lockable, ventilated, acid resistant, steel, powder coat finish orange other colors available

### Control

Type.....	Proprietary embedded fully NTCIP compliant, upgradeable
Password Protection.....	One level
LCD .....	4 lines, 40 characters per line, backlit
Messages .....	50 user programmable (4 pages each), 9 linkable, 300 pre-programmed including MUTCD symbols and arrows
Dimming.....	Manual or automatic
Remote Comm. ....	Cellular ready
Message scheduling.....	36 events per year

### Display

Pixel matrix SR480.....	7 rows by 5 columns, 8 characters per line, 3 lines
Character size.....	15" fonts
LED's.....	590nm amber, 4 per pixel
Angularity .....	25° total
Brightness .....	Manual/automatic 31 levels
Photo Sensor.....	shielded from extraneous light
Enclosure .....	Aluminum, finished powder coated black.
Sign width.....	96"
Sign Height.....	58"
Display window.....	1/8" UV stable polycarbonate
RF Interference .....	Unaffected
Operating temp. ....	-30°F to +165°F (-34°C to +71°C)

### Options

- Radar detector
- Intellistat provides a variety traffic statistics that can be displayed or printed in graph or raw data format. Includes software and pneumatic tube for counting
- Wheel locks
- Combo hitch 2" ball & 3" pintle ring
- Cellular phone for remote operation
- Handheld controller

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2440 Artesia Ave., Fullerton, CA 92833  
fax: (714)441-7714 • tel: (888) 994-0300  
[www.nationalsignalinc.com](http://www.nationalsignalinc.com)