THIN-12
RADAR SPEED FEEDBACK SIGN

The THIN-12 speed display sign is a very effective traffic calming device. It is the first patented thin speed display in the world. It is as light and thin as a standard traffic sign (3.25 mm, 0.125" thick) which allows it to be installed on any signpost and thus save on installation costs. The radar also serves as a traffic analyzer and can classify four different types of vehicles by speed and period.

EDUCATIONAL TOOL

REDUCE EXCESSIVE SPEEDS BY UP TO 30%

DATA COLLECTION

THIN

LED TRAFFIC SIGN



POWERED BY TRAFFIC innovation

MUTCD compliant

Designed & Manufactured in North America

FEATURES OF THE THIN -12 RADAR SPEED FEEDBACK SIGN



Radar and data collector
Built-in control menu to quickly manage basic parameters and data collection.

Reflective sheeting
High Intensity, Type III or Diamond grade, Type XI reflective sheeting.

Photocell
Adjusts brightness automatically.

12" Amber Digits
Powerfull LEDS integrated into the sign. Unique 7 segments to get a real 12" digits heights for each number.

Shield Protector
Offers Protection against inclement weather and vandalism.
Also limits light angularity.



Four Colors
According to MUTCD standards and application.

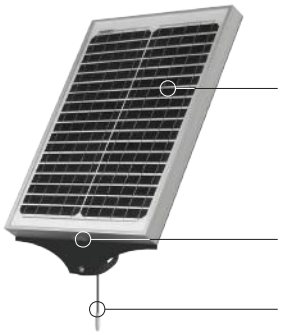


Aluminium
Light and resistant.
Installs like a standard traffic sign.

Controller integrated into the sign.

Snap-in Connector
Small enough to be hidden inside pole.
IP 67 protection.

SOLAR POWER UNIT (ALL-IN-ONE & PLUG-AND-PLAY)



Monocrystalline Cells
Higher efficiency solar panel to optimise size.

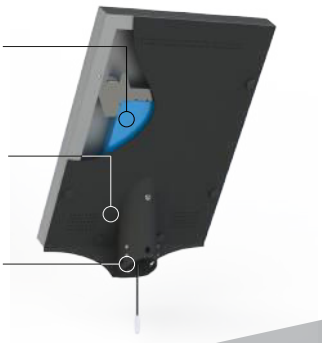
LED Status indicator

Snap-in Connector

Lithium LifePo4 battery
Light and slim.
15 year life expectancy
Maintenance free

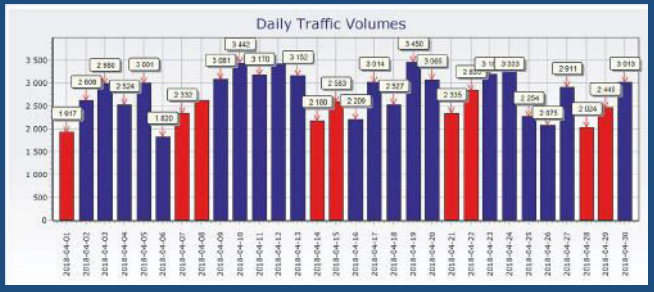
MPPT Charger
Increases charging efficiency by minimum 20% compared to PWM.

Universal mounting bracket
Top or side of pole installation.
360 degree swivel.



Stat Expert Software

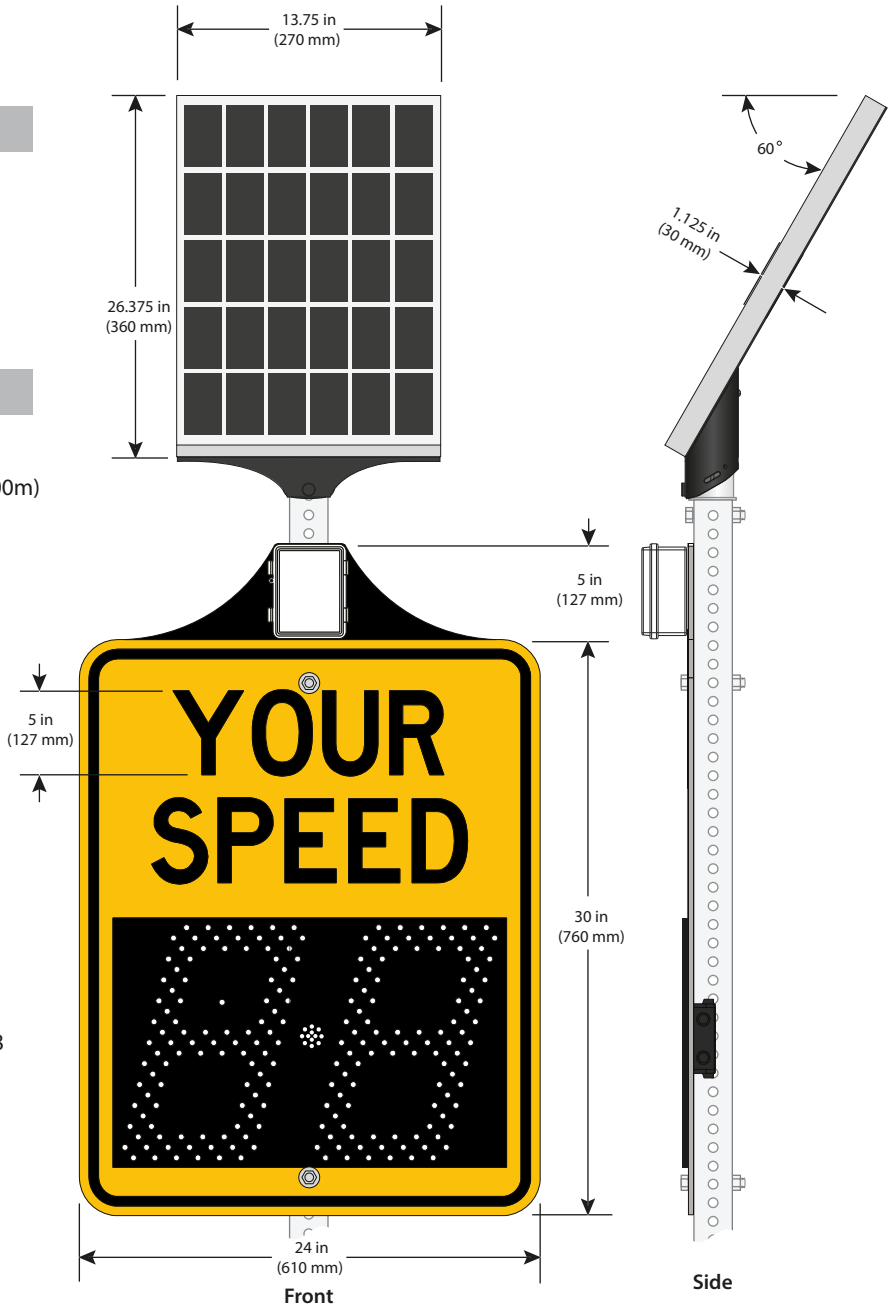
Traffic analyser software included.
Compatible with Window 7, 10 & 11
Record more than a million measurements.
Five pre-built reports.
Detect four types of vehicle categories.
Bluetooth collection (optional).



TECHNICAL SPECIFICATIONS OF THIN -12 RADAR SPEED FEEDBACK SIGN

Solar Power Unit (All-in-one)	
Solar Panel	30 Watts Monocrystalline
LifePo4 Battery	12.8V - 13.5Ah
Solar charger	MPPT, 10 A, IP67
Connector	10mm OD, Female, 6 in, IP67
Operating temperature	-40 to + 165ºF (-40 to +74ºC)
Weight	7.7 kg (17 lb)

Radar Driver Feedback Sign	
Radar	Doppler
Range	Between 164' (50 m) and 1000' (300m)
Width	12°H x 24°V
Data acquisition	Bidirectional
Precision	+/- 1 Km/h
Wireless communication	Bluetooth, 160' (50m) range
Display Size	13 x 20.5" (330 x 521mm)
Digit height	12" (305mm) - 202 LEDs
LED angularity	30 degrees
Color of LED	Amber
Visibility	More than 1000' (300m)
Auto-dimming	Variable based on ambient light
Voltage in	10,8 to 15 VDC
Max. power consumption	36 Watts
Strobe color	White
Connector	10mm OD, Male, 6 in, IP67
Back Plate	Aluminium 0,125" (3mm) 5052H38
Sign face (yellow or white)	Type III reflective sheeting
Sign face (orange or green)	Type XI reflective sheeting
Shield Protection	.188" (5mm) Polycarbonate (black)
Waterproof rating	IP65
Operational temperature	-40 to +149°F (-40 to +65° C)



Product Number	Description	Box : Dimension - Weight	HSS Code
Assembly Kit			
#38048	THIN-12 Radar Speed Feedback Sign, 30W solar power unit - White background	32 x 40 x 8 in - 30 lb	8530.90
#37633	THIN-12 Radar Speed Feedback Sign, 30W solar power unit - Yellow background	32 x 40 x 8 in - 30 lb	8530.90
#38054	THIN-12 Radar Speed Feedback Sign, 30W solar power unit - Yellow/Green backgr.	32 x 40 x 8 in - 30 lb	8530.90
#38058	THIN-12 Radar Speed Feedback Sign, 30W solar power unit - Orange background	32 x 40 x 8 in - 30 lb	8530.90

Included in kit : Installation hardware for 2" Telespar post, 2-3/8" round pole, U-Post or streetlight pole.
Two (2) years Limited Warranty against defects in workmanship and materials.