12" Speed Aware Spec Sheet

Feature	Specifications
LED and Radar Components	
Speed Display Height	12" high numbers
Configuration	Seven-Segment Display
"YOUR SPEED" Legend	4" high highway gothic font (MUTCD compliant)
LED, 1/2 Cone Angle	Amber (590nM); ½ Angle 15°; Rated 100,000 hours; 20,000 CDA/ M^2, Auto Dimming employed
Amber LED on Axis Intensity	20,000 CDA/SQ meter
Sign Legibility	Viewable range: 1,000 feet, legible range: 600 feet
Speed Resolution and Range	Min 5 mph; Max 99 mph in 1 mph steps (min 8 kph, max 99 kph in 1.6 kph steps)
Radar Specification and Range	K-band (24.15GHz) direct sensing; license free (FCC part 15 compliant); average range at 450 feet (plus 400' or minus 100' depending on vehicle size)
Materials and Construction	
Chassis Size/Total Weight	24" width x 30" height x 2-1/4" depth; 35 pounds with battery
Front Face Sheeting	3M™ Diamond Grade™, high visibility prismatic, long life protective sheeting
Sign Face Color	White; fluorescent yellow-green; with additional colors optional
Sign Mounting Construction	1/8" thick aluminum brackets and face; standard 3% tilt bracket configuration; flat mount brackets optional
Vandal Resistant Construction	Sealed electronics box (ECS) 1/16" thick aluminum enclosure attached to a 1/8" thick mounting plate. The ECS is removable from the chassis as a complete unit.
	3/16" high impact polycarbonate face with high contrast mask; anti-glare graffiti and sunlight resistant
	Provisions for padlocking in place are provided
	Standard DOT powder coat green color with additional colors optional
Electronics Enclosure Rating	Weatherproof; NEMA 3R
Mounting	Quick detachable mount (lockable). Mount capable of being bolted or banded to a 2" Square pole, U-channel pole, 2½ or larger round pole, or flat surface.
Regulatory Static Sign	Speed is 25 MPH on Base. The placards are 1,3,0,4 which allows speeds from 05 - 45 MPH
Electrical Specifications	
Power Requirements	12VDC, low standby: average day at 8.5W; average night at 1.5W
Voltage Requirements	9V-30VDC; 12VDC Nominal (Input protection at 11.5VDC and 10.8VDC; startup at 12.3VDC)
Solar Power Option	Comes complete with a 20 or 60 Watt Polycrystalline panel, panel mount, and integrated TraffiCalm™ Smart Solar Charger™.
	Integrated 30 AH NiMH battery pack
AC Power Option	Outdoor (IP68) rated ULC 100-277VAC Power Supply, 5.00A output at 12VDC.
Operating Temperature	Internal components: -34°C to +74°C/-29°F to +165°F
	Ambient environment: -34°C to +60°C/-29°F to 140°F
Programming Specifications	
Programmable Display Features	Min speed to display, over speed, and maximum speed to display
	Display type: actual speed; flashing digits; steady digits
Schedules	Repeating daily: 1 event
Communications	IrDA Compliant Wireless Remote