POLE MOUNTED

REAL-TIME INFORMATION SIGNAGE

WAYSINE
engineered for the real world

2-LINE, 24 CHARACTER LED DISPLAY SPECIFICATIONS

Our Pole mounted signs feature front and back solar panels, LED display, rechargeable batteries, antenna, audio announcer and LED lighting – all built into a compact unibody aluminum design, constructed to handle the harshest of transit environments.

Designed and manufactured in the United States, our LED signs are fully “Buy America” compliant, include a 5 year warranty, and utilize recycled aluminum.

All Way Sine solutions seamlessly integrate with your existing CAD/AVL systems or utilize GTFS feeds. Our user-friendly and flexible content management system (CMS) serves as a centralized platform, allowing agencies to manage and update not only Way Sine solutions but also products from other sign manufacturers—all in one place.

Housing:	Extruded aluminum with silver anodized finish IP65UV-proof NEMA 4X compliant
Dimensions:	11″ x 26″ x 7″
Weight:	15 lbs
Operating Temperature:	-40 to 70 C (-40 to 158 F)
Humidity:	10-100% Non-condensing protective plate
Display:	LED, 15 x 144 pixels per display line with 4.5mm pitch ADA compliant 2″ character height
Audio:	ADA Compliant PIR Motion or Button activated
Solar Power:	20W
Wind Rating:	Up to 150 mph Wind load calculations available
Battery:	Lithium Iron Phosphate (LiFeP04) Estimated battery life of 10+ years
Communications:	4G/LTE
Lighting:	2x 1w LED Lights 7fc peak from 8ft Motion or button activated

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Spec Language
Solar powered real time passenger information bus stop signs
Manufacturing Specifications

Real-Time Displays
• It is desired that the standard pole and shelter mounted displays have a screen size of between 16” and 24” as measured across the screen.

• The solar panel(s) and battery for the units must power the real-time display with a minimum battery capacity to sustain for 7 days without solar power and be charged with a minimum of 2 hours of direct sunlight. ALR calculations using NASA verified sources must be provided.

• Batteries shall be LiFePO4 type and conform to all applicable, Federal, State and Local laws, rules and regulations pertaining to batteries.

• Displays will be fastened directly to the standard metal poles.

• Displays should utilize LED, LCD, or OLED technology, with daylight readable capabilities of 2500 nits(cd/m²) or greater.

• Display units must be manufactured to withstand the outdoor environment with electronic components sealed. Units shall be waterproof (nema 4x or IP65 standards) and enclosed to protect against dirt, dust, wind, etc.

• Displays must be designed to hinder vandalism, theft, or destruction, including etching and graffiti.

• To improve nighttime legibility, the display brightness level should be automatically adjustable or displays should have lighting to illuminate the screen.

• Displays must meet all ADA legibility guidelines including 2” character heights and audio announcements for the visually impaired.

• Displays must provide up-to-date- arrival information from the agency’s Google Transit Real-Time data feed or alternate API data feed. Scheduled times, instead of predicted times, shall be shown when there are issues providing up-to-date information. Issues can be, but are not limited to, a loss in wireless connection, unavailable Google data, or missing buses.

• Displays must be able to integrate with multiple information providers, multiple agencies and varying feed types within a single display for shared agency stops.

• It is desired that the software it will allow for control of each display unit to create, edit, and delete custom messages that can be displayed to passengers. Custom messages may include, but are not limited to, marketing efforts, detours, stop closures, and service disruption notices.

• It is desired that the system allow custom messages to be posted or removed immediately or scheduled in advance to occur automatically at predefined time.

• It is desired that each display report its location and status to the agency to identify malfunctions and/or issues. It is also desired that the system generate push alerts to notify the agency of a malfunction. In addition, the software should allow the agency to view the status of each display on a map and to maintain an inventory of the installed displays.

• System shall have an update refresh rate of 90 seconds or less.

• It is desired that the back end system be web based with the ability to integrate with bulk alerts publisher systems such as One Bus Away, Transit Alerts, etc.

• Software must be accessible through a secure, encrypted web based dashboard.

• Vendor must provide training and any software documentation and instructions relating to the use of the system.

• Vendor shall provide a liaison/project manager charged with providing technical support during regular business hours and on-call technical support during non-regular business hours.

• It is desired that the units and all components shall be warranted for a minimum of five (5) years

• It is desired that systems include a minimum of five (5) years of cellular service and software maintenance included