

AV-200 SERIES: LED ENHANCED TRAFFIC SIGNS

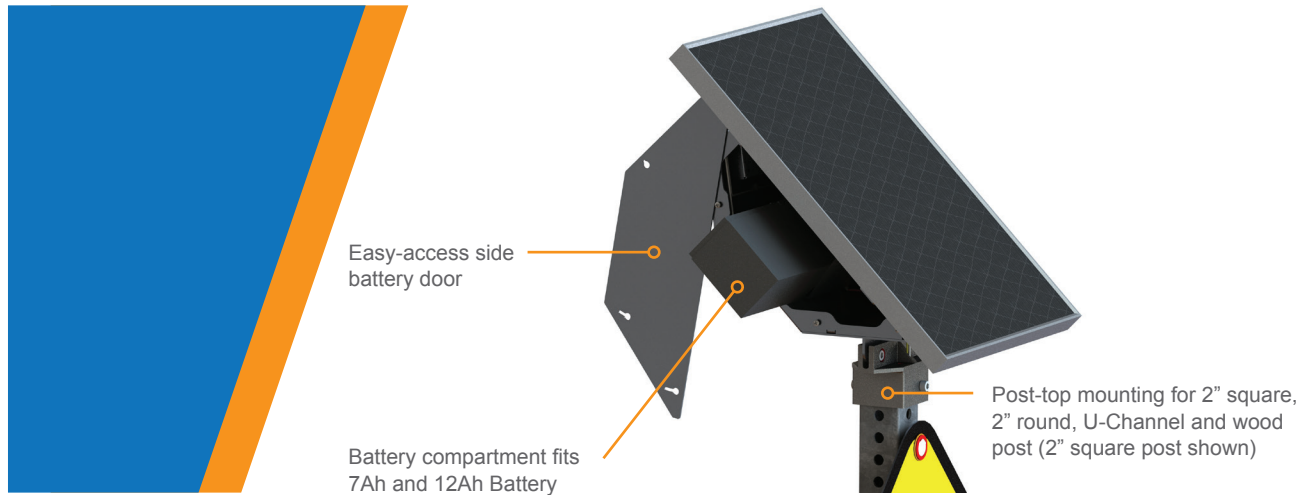
- MUTCD Compliant
- Improves Intersection Safety
- Solar Powered
- Easily Installs on existing sign posts



The Aailed Technologies AV-200 LED Enhanced Sign has been designed from the ground-up to provide reliable year-round 24 hour operation. Built with industry leading solar and LED technology, it is equipped with:

- Ultra-efficient LEDs and Lenses,
- Integrated maximum power point tracking,
- High-efficiency monocrystalline 20W solar panel,
- The option of 84 or 144 watt-hours of battery capacity.

The AV-200 will operate in challenging solar conditions including cold temperatures, low sun hours, and partial shading. The compact, self-contained design allows for rapid installation on new or existing round, square, U-channel, or wood sign posts.



TECHNICAL SPECIFICATIONS

SIGN:

- Substrate: 0.080" 5052 Alloy Aluminum
- Sheeting: 3M™ Diamond Grade™ DG³ Reflective Sheeting with anti-graffiti protective film
- Legend: MUTCD Compliant R1-1 Stop Sign, MUTCD Chapter 2C Warning Signs
- Sizes: 24", 30", 36", 48"

LEDs:

- 8 High-intensity red or yellow LEDs
- MUTCD compliant flash pattern
- 24 hour operation
- High-efficiency LED lens
- Sealed LED housing assembly

SOLAR / BATTERY SYSTEM:

- Ultra-low power microprocessor with temperature compensating maximum power point tracking
- Variable intensity adjustable to ambient light
- 20W high efficiency monocrystalline solar panel
- 84 Wh (watt-hour) battery capacity (12V, 7Ah SLA)
- Optional 144 Wh (watt-hour) battery capacity (12V, 12Ah SLA)

ENCLOSURE:

- 5052 Aluminum pole top mounted enclosure houses solar panel, controller, and battery
- Vented battery compartment with sealed electronic sub-enclosure and IP67 sealed wire harness connector
- Side access to battery with captive fasteners and quick disconnect terminals
- 8.5" W x 14.8" L x 4.7" D enclosure with 13.6" W x 18.5" L x 1" D solar panel
- Pole mounting options: 2" square, 2 3/8" round, U-Channel, wood post

ENVIRONMENTAL:

- NEMA TS 2, Sections 2.2.7, 2.2.8, and 2.2.9 Compliant
- RoHS Compliant

*specifications subject to change without notice
© 3M 2016. All Rights Reserved