

Solar Solutions



Image 1 - Santa Maria, CA



Image 2 - Nashville, TN

SOLAR SOLUTIONS POWER TRANSIT STOPS ANYWHERE THE GRID CAN'T REACH

OFF-GRID INFRASTRUCTURE DELIVERS LIGHTING, REAL-TIME INFORMATION, AND RIDER COMFORT AT EVERY STOP

THE CHALLENGE

Many bus stops sit far from a power source, and running electrical service to a shelter can mean trenching, permitting, and costs that stall an upgrade before it starts. That's a real constraint for transit agencies working through street furniture programs and corridor improvements, especially in fast-growing cities trying to add stops and amenities on a timeline.

Riders still need light to feel safe after dark, real-time arrival information to plan their trip, and amenities that make waiting more comfortable, regardless of whether a stop sits near existing infrastructure. Agencies need a way to deliver all of it, at a single stop or across an entire network, without waiting on the grid.

THE SOLUTION

Tolar Manufacturing's Solar Solutions line pairs roof-mounted photovoltaic panels with integrated battery storage to power more than lighting. An RMS80F solar lighting system, powered by 80W roof-mounted panels, provides under-roof dusk-to-dawn security lighting with a minimum of five days of autonomous operation (image 1). That same solar and battery platform extends to E-Paper real-time passenger information signs (images 2 and 1.a), digital displays, and other stop-level technology, all without a trenched electrical connection.

The line scales to fit the stop. PV Stop+ and PV Stop MAX (image 3) pole-mounted lighting units bring solar lighting to individual stops along a corridor, with quality 13" e-paper real-time information display integration available. Agencies from Santa Maria, California, to Nashville, Tennessee, to Jacksonville, Florida, have deployed real time signage across their networks, whether the goal is one upgraded corridor or a citywide rollout. Our transit shelters can also integrate solar lighting directly into the roof structure at higher-traffic locations.



Image 1.a

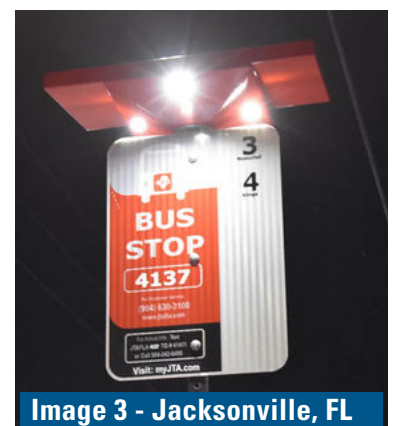


Image 3 - Jacksonville, FL

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EXAMPLES FROM CITIES ACROSS AMERICA

JACKSONVILLE, FL

Tolar partnered with JTA for the Northwest Jacksonville Corridor Improvements Project.

Fourteen of the shelters feature custom art developed by community members, reflecting the cultural identity of Jacksonville's neighborhoods while creating visually inviting public spaces. The shelters include 80W roof-mounted solar panels with integrated battery storage that power the RMS80F Solar Lighting System, providing under-roof security lighting with five-day minimum autonomous operation through an 8W LED light fixture.



SAN DIEGO, CA

For almost three decades Tolar Manufacturing Company has been fabricating bus shelters, street furniture, and digital advertising solutions for the city of San Diego.

This custom MTS shelter, based on Tolar's Signature Sunset series, features solar-powered illumination, weather-protective roofing, damage-resistant seating, and easy-to-read transit displays.



CORPUS CHRISTI, TX

Tolar Manufacturing is honored to help the Corpus Christi Regional Transportation Authority (CCRTA) fulfill its mission to keep riders safe day and night with solar-powered transit shelters.

The solar lighting built into each of CCRTA's 300 new Tolar shelters gives riders added security after dark, part of the Authority's ongoing Shelter Expansion Program to bring shade and safety to bus stops across the city.

