Dusk-to-dawn, LED under roof illumination and along architectural strip, with 10-hours media display illumination in this 17-ft Signature Sunset shelter in San Diego, CA.

Two, 8-watt solar powered strips provide dusk-to-dawn lighting under this 14-ft shelter in Austin, TX.

SOLAR SOLUTIONS

RELIABLY DESIGNED. RESPONSIBLY POWERED. LIGHTING AND SO MUCH MORE.

Connecting passengers through technology.

Celebrating 30 years, Tolar Manufacturing Company leverages its experience and forward-thinking functional design to continually develop new ways to connect passengers with buses. Solar solutions offer power these efforts.

Working closely with Urban Solar Corporation, an industry leader in the development of public transit solar solutions, we develop seamless solutions for your transit solar power needs. The combined experience of the Tolar and Urban Solar engineering teams, working with the latest industry software, results in jointly designed location and street furniture specific solutions to meet and exceed your expectations for system reliability, light level intensity and design. Our purpose-driven engineered systems provide cost-effective, integrated, solar power for a wide variety of passenger amenities.

NOT CREATED EQUAL

Public transit shelter and outdoor advertising markets in urban environments demand specific street footprints. Tolar solar lighting systems incorporate 10-year minimum NASA solar data for custom scaling of your specific geographical location. Coupled with our proactive autonomous smart controller, the result is a customized, UL listed solution tailored to the very specific requirements for your bus stop shelter, BRT station and other outdoor furniture projects.

NOT JUST FOR LIGHTING!

Nationwide, transit agencies and their passengers, as well as outdoor advertising companies, are requesting more robust information and technology enhancements at bus stops and bus rapid transit stations, such as:

- Real-time signage
- Digital displays
- USB charging stations
- Free-standing kiosks
- Remote monitoring
- Two-way communication

KEY FEATURES:

- Industry leading light levels, with cutting edge LED and power management technology
- UL-listed systems for safety and reliability (with UL certification for the system, not just the components)
- Modular, vandal-resistant design
- Incorporates historical NASA data to maximize performance
- Five-day minimum back-up (autonomy)
- Options available to power USB ports and real-time signage
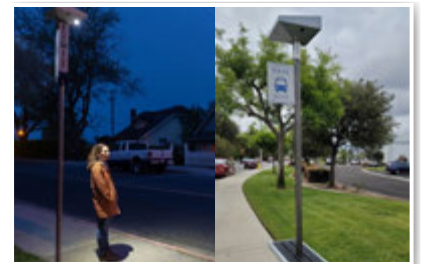
Our newest solar solutions provide added security in a small footprint. The 20-watt PV Stop Plus (left) can have additional power added to provide e-paper displays. The eco-seat (right) provides seating and security lighting in a single package.

- Powder-coated metal components to match transit shelters
- Proprietary, high-illumination, low-draw solar lighting system for free-standing, multi-sided kiosks
- Custom branded design solutions for transit shelters, BRT stations and bus stops
- Easy installation with technical support available for assistance
- Fully "Buy America" compliant via our Beaverton, OR manufacturing facility

Shelters   BRT/Rail   Street Furniture   Solar Solutions   Displays   Digital Solutions
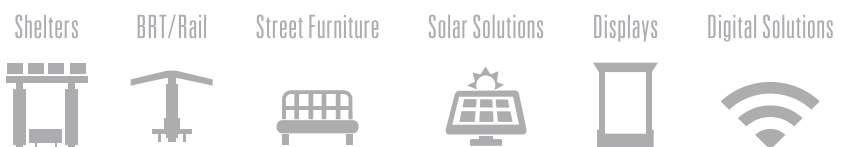
SOLAR SOLUTIONS ON THE STREETS
SOLAR-LIT SHELTERS WITH AND WITHOUT ADVERTISING

SOLAR-LIT SHELTERS WITHOUT ADVERTISING

For Tolar shelters designed without advertising, we offer illumination solutions that provide reliable, dawn-to-dusk lighting for users of outdoor shelters during nighttime hours.

Solar by Tolar systems utilize a low-profile, light assembly. Mounted to the inside of the shelter's ceiling, this assembly houses the batteries, charge controller and the LED lights themselves. This assembly is engineered as an integral part of the shelter structure, making it highly vandal-resistant.

Other key features include:

- Bright-white LED lighting
- Modular design
- Plug-in components for ease of installation
- Minimum five day system autonomy (battery backup)
- Five year warranty (three years prorated battery warranty)

With Solar by Tolar shelters, users benefit from a safer, more secure environment. Loitering is discouraged and transit operators are better able to identify passengers waiting in the shelter.

At the same time, illumination can be provided at desired locations without the expense and potential construction challenges of trenching and installation of meters. Best of all, the shelter provider avoids the connection fees and utility bills that come with conventionally lit shelters.

SOLAR-LIT SHELTERS WITH ADVERTISING

Shelters designed with integral advertising displays also benefit from Solar by Tolar illumination solutions. Depending on your needs, Tolar can design solar-lit shelters, where the advertising display is illuminated, or a shelter where both the kiosk and roof are illuminated.

These solar-lit shelters deliver cost-effective, reliable illumination. Illuminated shelters produce advertiser satisfaction. Lighting can be installed on your timetable, not the utility company's schedule. No trenching, meters or connection fees required.

Best of all, in addition to an environmental-friendly solution, there are no utility trenching costs or utility bills that come along with conventionally powered shelters.


17-ft Signature Custom SmartPlace™ transit shelter sports a custom radius roof that incorporates solar power to provide real-time information for OmniTrans passengers in San Bernardino, CA.

Enhanced solar solution seated on Tolar's Niagara SmartPlace™ shelter featuring illumination in the advertising kiosk, two eight watt led roof lights, two line real time information sign and camera in Dallas, TX.

Dusk-to-dawn LED illumination in the roof and eight hours LED illumination in the advertising kiosk in San Diego, CA.
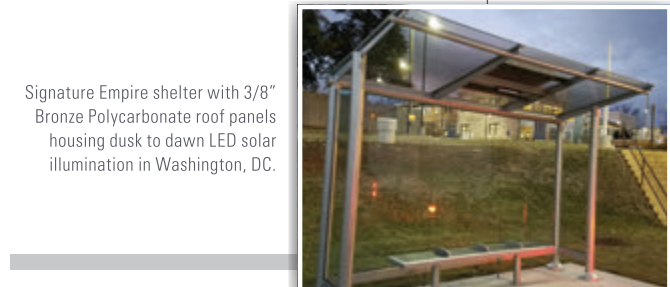
Signature Empire shelter with 3/8" Bronze Polycarbonate roof panels housing dusk to dawn LED solar illumination in Washington, DC.

These styles are representative of product options within this series.
VISIT **WWW.TOLARMFG.COM** FOR ADDITIONAL IDEAS, OPTIONS AND SPECIFICATIONS