



PV-Shelter

Reliable Solar Lighting Solutions

The PV-Shelter is the world's most powerful and reliable solar powered LED shelter lighting system. It delivers safe and environmentally friendly lighting through superior technology and transit specific design.

These systems easily mount to new or existing transit shelter installations, and their various configurations can be tailored to meet your agency's safety, branding, and performance needs.

- Self contained and fully automatic
- Clean, bright white LED illumination
- High efficiency solar panels
- Intuitive power management
- Proven battery technology
- Low installation costs: no trenching, cabling or wiring
- Customer-focused, integrated designs
- Optional 24/7 remote monitoring
- UL listed. Independently tested for safety

Superior quality, reliability, and innovative custom designs make the PV-Shelter the ideal solution for your agency's bus stop lighting demand.



BENEFITS

Rider experience & safety

- Builds rider confidence and increases ridership by providing a positive transit experience
- Deters crime
- Reduces rider pass-by; the number one complaint reported by most transit agencies

Reduced costs & increased efficiency

- Saves you from paying monthly utility bills with its one-time capital cost
- Reduces your installation cost with no need for trenching
- Saves you from needing scheduled maintenance for up to five years
- Has an LED operating life span up to 100,000 hours to 80% lumen maintenance

Clean, energy efficient illumination

- Reduces greenhouse gas emissions
- Positions the transit agency as an innovative leader
- Builds public perception of transit as a sustainable transportation alternative

SPECIFICATIONS

Lighting

■ Illumination technology:	High brightness, white LED
■ Illumination level:	10-50 ft-cd peak 8' from source
■ Illumination footprint:	6-18 ft diameter circular/elliptical
■ Output color:	5500-6500K
■ Operational lifetime:	100,000 hours to 80% brightness
■ Operating temperature:	-30 to 80°C (-22 to 176°F)

Energy Control Module*

■ Operating voltage:	0 to 30V
■ Input current:	0 to 40A
■ Output current:	0 to 750mA
■ Operating temperature:	-30 to 80°C (-22 to 176°F)
■ Low voltage disconnect:	Yes
■ Lighting control:	Automatic and custom

Solar

■ Solar module technology:	Poly-crystalline photovoltaic
■ Module size:	30W, 50W, 80W, 120W
■ Operating temperature:	-30 to 80°C (-22 to 176°F)

Battery

■ Technology:	Maintenance-free, AGM, lead acid
■ Autonomy:	5-10 days
■ Operating voltage:	12, 24V
■ Operating temperature:	-30 to 80°C (-22 to 176°F)

Specifications are subject to change without notice and are intended as general guidelines.
Detailed specifications are based on site-specific weather conditions and system design variables.
*Patent pending.



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