

Solar powered lighting from Queensbury Shelters



Aun Solar Shelter

Leading the way

Queensbury Shelters, one of the UK's leading public transport infrastructure suppliers, has been designing, manufacturing and installing passenger shelters for over three decades.

Always leading, never following, Queensbury pioneered the use of solar powered lighting in the company's top-selling Meridian range, launched two years ago.



Solar lighting system

The complete system comprising of solar panels, battery and controller is mounted discreetly within the roof structure to minimise the risk of vandalism.

Increasingly recognised as the most cost-effective method of lighting bus shelters, solar powered lighting not only avoids electricity connection and supply charges but it overcomes delays associated with making traditional power connections.



'Green light' for shelters

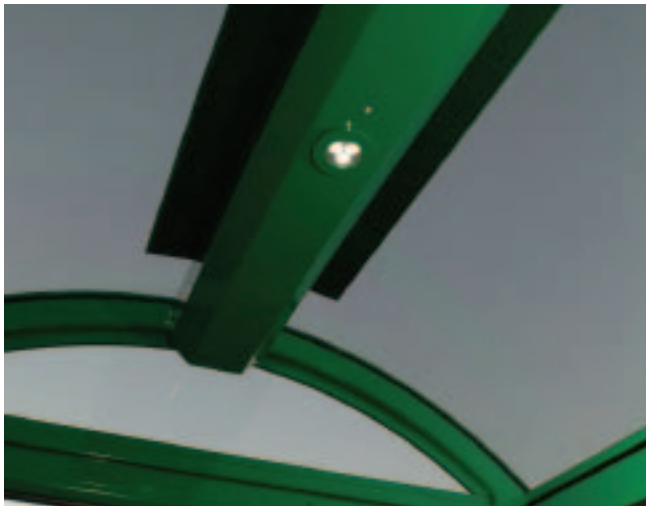
Make a commitment to passenger needs – and the environment – by installing solar powered lighting in bus shelters.

Cost effective, passenger friendly and environmentally sound, this proven technology can be fitted to all Queensbury's shelter ranges and retro fitted to other modern shelters as a stand-alone unit.



Illuminate the future

Contact Queensbury Shelters to discover the benefits of solar powered lighting – make a difference to passengers and the environment.



Solar panel specifications

Made to last

The solar panels are mounted within the Roof to ensure resistance to vandalism. Each panel is chosen to offer a high power rating and incorporates a feature that allows the panel modules to produce power even when partially shaded. The cell assembly is sealed in flexible and durable weather resistant polymers that provide long life and reliability.

Controlled by intelligence

The system designed by Zeta includes an Energy Management System which ensures maximum energy during the winter months of December and January when the level of solar charging is at it's lowest. The use of a small Passive Infra Red Sensor also means that when the shelter is occupied the light level is increased, if no passengers are in the Shelter the light level falls to an ambient level, hence conserving power whilst not compromising the passenger's security and comfort.

Long life battery

Produced in a grid plate construction, the recyclable battery has a long life span and is very low gassing due to internal gas combination.

Light level

One Halo LED lamp per bay is mounted in the roof of each shelter. The target light level is 25 lux one metre above ground level in the centre of the shelter. Each lamp has an average life of 50,000 hours.

Sustainability

The use of solar powered lighting demonstrates a commitment to a sustainable future by eliminating carbon dioxide emissions and contributing to the Sustainable Agenda.

Safety

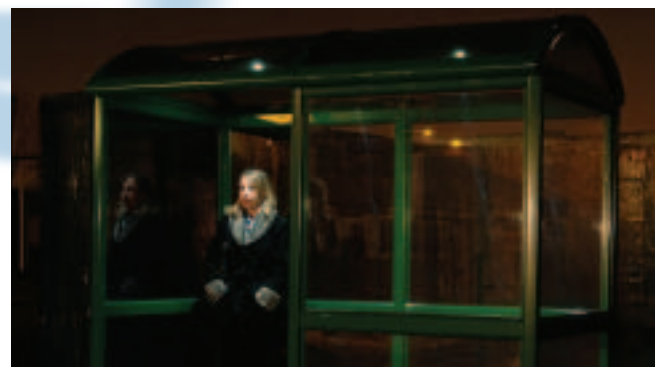
Putting passenger safety and comfort as a priority, the solar powered lighting of bus shelters enhances passenger safety during night-time hours.

Convenience

The installation of solar powered lighting requires no disruption to footpaths, alleviating the need for trenches. The semi flexible PV panels also fit discreetly into curved, pitched or flat roofs making them suitable for just about any type of bus shelter.

Efficiency

Once installed, solar powered lighting is the most cost efficient method of lighting bus shelters. Avoiding high connection costs as well as the time required arranging logistics of connection and supply.



For all sales enquires please contact:

Head Office
Fitzherbert Road Farlington Portsmouth Hampshire PO6 1SE
tel: 023 9221 0052
fax: 023 9221 0059
email: info@queensburyselters.co.uk

www.queensburyselters.co.uk

