



# *Solar PV Systems*

## *Bespoke solar street lights*

### Bespoke solar lighting

### Multi directional street light applications

When considering one of our bespoke solar lighting systems.

These are designed to match your needs, therefore when you contact us we will ask you about the location and some questions outlining the project details.

These are multi directional, so the position is not important in view of the sun light. As we can turn the solar panel to face the best available sun light aspect.

Solar lighting systems can provide illumination to areas without mains powered electricity connections.

This will reduce the energy cost and carbon footprint to zero.

These bespoke solar lighting systems have 5 years warranty as standard, with expected long life post-warranty operating lifetimes. They have a low cost of ownership & operation compared with equivalent incandescent lighting installations. Product options allow selection of configurations to suit many car park, street, play areas, footpath and recreational lighting needs: The bespoke lighting system will give you excellent light distribution using our standard 4 meter above ground posts. This multi directional solar powered lighting solution is perfect for low level illuminating of communal parks, gardens, pathways, etc. This product has been specifically designed to meet with rigorous demands of low sunlight areas and try to accumulate the maximum solar irradiance available from that area. Our service will include helping customers to choose a design selection for project needs. Management system components provide optimum performance; energizing lithium Li- ion LiFePo4 style or Pb batteries to the maximum potential using our unique BMS controls. This and other parts are securely fixed to top of pole for security. Offering LED lights in 12w and 18w using solar panels to match.

Our unique top of pole mounting system could provide upwards of 8 hours/day and 3 automatic working days autonomy. They are designed to be resistant to strong winds and storms. The digging to lay cables underground is not required for these luminaries, as these lights are suitable for locations that may be susceptible to flooding; they will normally operate if base of column is standing in floodwater as all valuable components are mounted at the top of the lamp columns, this is to minimise the risks of damage, theft or vandalism.

Maintenance is minimal over system components design lifetime of 12 years, with only occasional inspections needed to clean solar panels and check battery condition. They are designed to meet the requirements for open, outdoor installations. They produce low light pollution, and provide low temperatures (safe to touch during operation). Providing many years of the Sun's free irradiance.

These single solar lights package offer dusk until dawn PIR lighting. With 12v – 24v lithium battery pack or Pb equivalent. Control components manufactured to the relevant approved standards aligning to the solar panel kit. Our standard kits require root planted posts as standard specifications, that has been designed around the specific wind loading calculation.

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