

# DBS Community solar powered lighting system

*This lighting system is designed for small carpark, path and walkway lighting.*

*The solar panel is mounted on the top of the body pointing towards the sky. Each solar panel is sized to capture all available sunlight in a given place each day. According to this design, the energy is stored in a high-performance lithium battery which then distributes charge to illuminate luminary via PIR to 100% when required through a microwave sensor system. This type of sensor allows pedestrians to activate the light as close as 10m. Then it illuminates to 100% for one minute or until pedestrians are out of sensor range.*

*The quality of components used in the system, and the warranty of the products within the package offer long life performance. This light is designed to suit low footfall.*

*Our company fully understand the requirements needs involved within energy storage. We have 20+ years' experience in battery management and storage solutions. Applications for DBS solar Community lighting, Path lighting, Farm lighting, Wildlife lighting, Park lighting, Gate lighting, Walkway lighting, Un-adopted areas Moorings & Marinas, Footpaths, Estates, Signs and banners, small Car Park lighting Estates.*

*This solar path lighting system has been designed around LED luminaries running technical values @ 1350lm maximum power pure white LED light. The low-level DBS community solar path light can automatically operate from dusk (based upon previous days weather).*

- PIR units will provide lighting from dusk @ 100% brightness when PIR is activated; these are pedestrian sensor activated within 10m to 100%.
- This is a fully automated system to provide light using the full capacity of solar irradiance available

Car Park Lights® DBS community solar lights

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- Features 12v LED 1350 Lm
- Minimum CRI (colour rendering index) 85
- Colour temperature 4000-6000k
- Optic Asymmetric for street/car park lighting
- LED's Batwing spread
- Initial luminaries' flux (lm) 405- 1350
- LUM EFF (lm/W) 135
- Power supply 12 VDC
- Power consumption (W) 10
- Electrical insulation class III (SELV)
- Automatic charge control regulation 4-5 hours to fully charge battery
- Autonomy 1-2 days Luminous flux reduction value 0-100%
- LED thermal protection Control of heat -25° C ~ 60° C
- Solar panel Mono-crystalline (25 years life)
- Battery 250wh BYD Lithium – ion battery (2000 cycles)
- Battery discharge time 8-10 hours
- Fixing 60mm diameter (90° Hinged)
- Tilt angle 0-5°
- Protection degree IP65
- Weight 11.5kg
- Space between lights 10-15m
- Size 800 x 430 x 120mm
- Standard warranty 36 months BDS Community luminary
- 12v | CE | IP65 | RHOS

W.&O.E.