

# DBS One-piece solar powered lighting system

*This lighting system is designed for car parks, path, walkway, general lighting in rural locations.*

*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.*

*The light runs @ 30% of full power before being triggered to 100% by microwave sensor system. This type of sensor allows pedestrians and cars to activate the light as close as 10m. Then it illuminates to 100% for one minute or until outside 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 medium 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 one-piece lighting, Path lighting, Farm lighting, Wildlife lighting, Park lighting, Gate lighting, Walkway lighting, Un-adopted areas Moorings & Marinas, Footpaths, Estates, Car Park lighting Estates.*

*This solar one-piece lighting system has been designed around LED luminaries running technical values between 1700lm to 3400lm power pure white LED light. The DBS one-piece solar light can automatically operate from dusk (based upon previous days weather).*

- PIR units will provide lighting from dusk @ 30%-100% brightness when PIR is activated; these are pedestrian/vehicle 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 One-Piece solar lights

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- Features 12v LED
- 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) 170
- Power supply 12-18v VDC
- Power consumption (W) 10-15-20 (3 sizes)
- 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 BYD Lithium – ion battery (6000 cycles)
- Battery discharge time 8-12 hours
- Fixing 76mm diameter (90° Hinged)
- Tilt angle 0-45°
- Protection degree IP65
- Weight 20-30kg
- Space between lights 15-20m
- 3 Size (bodies)
- 1100 x 420 x 350mm
- 1590 x 420 x 350mm
- 1480 x 530 x 380mm
- Standard warranty 60 months BDS Community luminary
- 12v | CE | IP65 | RHOS

W.&O.E.