

DBS900 Premium Solar Street Light

High-performance solar lighting for roads, car parks, pathways, residential areas and remote locations



PROGRAMMABLE SMART CONTROL

Custom-built intelligent controller with programmable lighting power, brightness and operating times. Factory settings can be tailored to your installation requirements.



MICROWAVE SENSOR

Built-in microwave sensor with up to 10m sensing range and wide detection angle. More stable and reliable operation than traditional PIR sensors.



ADJUSTABLE SOLAR PANEL

Separate PV panel can be installed in landscape or portrait orientation and adjusted to the required angle. Available with 115W, 150W or 175W solar panel options.



HIGH-PERFORMANCE LED

72–90 Philips SMD LEDs providing 1,160–3,600 lumens. Colour temperature 2700–4000K with CRI > 82 for natural, clear lighting and improved visibility.



LiFePO4 BATTERY SYSTEM

High-quality LiFePO4 battery with capacity of 250–305Wh and a long life of 2,000–3,000 cycles. Battery and controller are positioned at the top of the column.



PREMIUM ROBUST CONSTRUCTION

Aluminium die-cast construction with double-layer powder coating and PMMA lens. IP67 and IK10 rated with stainless steel fixings. Suitable for 89–114mm diameter columns.

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Reliable lighting
for a brighter,
more sustainable
tomorrow

Key Technical Specification

LED:	72–90 × Philips SMD
Luminous output:	1,160–3,600 lm
Colour temperature:	2700–4000K
CRI:	> 82
Battery:	250–305Wh
Battery cycle life:	2,000–3,000 cycles
Solar panel:	115–175W

PV voltage:	18V DC
PV cell:	Mono / Poly
Recommended pole height:	4–8m
Reflector beam angle:	140° (H) / 70° (V)
Column mounting:	89–114mm diameter
Protection rating:	IP67
Impact rating:	IK10
Operating temperature:	-20°C to +60°C

Programmable Operating Modes

- Energy-saving mode (e.g. 25% background with sensor to 100%)
- Constant 100% mode (with sensor activation)
- Timed mode (100% for set period, then reduced lighting)
- Dusk-to-dawn mode (sensor controlled)

Adjustable time blocks: 0–15 hours

Adjustable brightness: 0–100%

Sensor operation time: 10–150 seconds

5-year standard warranty

Built for long-term
reliability and
performance.

12–24V • IP67 • IK10 • CE • RoHS

