

DBS908 Hybrid AC/DC Solar Street Light

Multi-directional solar lighting system for UK applications

HYBRID AC/DC OPERATION

Solar charging is supported by an internal 230V AC connection for periods of low sunlight, helping maintain year-round charging.

PROGRAMMABLE CONTROL

Built-in smart solar controller with factory-set algorithms for lighting power, brightness and operating times.

MICROWAVE SENSOR

A 10m sensing area provides a wider sensitive angle and is described in the source specification as more stable than traditional PIR sensors.

ADJUSTABLE PV PANEL

External mono-crystalline PV panel can be positioned landscape or portrait and adjusted to suit the required horizon orientation.

COMPACT POLE-TOP DESIGN

Equipment is positioned at the top of the column using the DBS mounting system, designed for stability and performance. Tamper-resistant fixings can be added.

LONG AUTONOMY

High-performance lithium phosphate battery system with stated autonomy of 3–5 days and 12-hour battery discharge time.



Compact pole-top system

PV panel + LED luminaire + battery

5-year / 60-month standard warranty

12–24V • IP65 • CE • IP67 • RHOS

Technical information based on the supplied DBS908 product specification. W.&O.E.

DBS908 — Key Technical Specification

Customer reference specification

System	12V / Hybrid AC powered LED
Power consumption	20–60 W
LEDs	SMD5050, 46–90 pcs (1W)
Luminous flux	5,100–10,200 lm
Luminous efficiency	170 lm/W
Colour temperature	3000–4000 K
Minimum CRI	85
Light distribution	Batwing spread
Luminous flux setting	30–100%

Solar PV panel	100–200 W mono-crystalline
PV panel life	25 years
Battery	538 Wh / 3000 cycles
Battery discharge time	12 hours
Autonomy	3–5 days
Charge regulation	2–4 hours to fully charge battery
Thermal protection	–25°C to 60°C
Protection	IP65
Pole fixing	114 mm diameter
Weight	6 kg

Connection: MC4 male & female plugs • high-performance cables designed to reduce power drop

Standard warranty: 60 months

Source: DBS908 Hybrid Multi-directional Solar Lighting System specification supplied for this presentation.