

















DESCRIPTION

The SOLABEL is a thoroughly tested solar powered Belisha beacon, designed for reliable off-grid installation. Featuring a low impact design solar panel, advanced technology batteries and a low energy LED beacon light engine, the SOLABEL is designed to operate all year round. The SOLABEL is supplied complete with prefinished post, beacon and solar engine.

SOLAR ENGINE

Solar Panel

750 mm diameter, mono crystalline panel with 12 V, 60 Watt output. Impact resistance IK10. Solar panel set at 22°.

Solar Panel Housing

Rotationally moulded U.V stabilised (UV8) black polyethylene moulding with galvanised steel support pillar powder coated

Battery

4 x 12 V / 9 Ah Absorbent Glass Mat (AGM) batteries mounted in the base compartment of the post.

Regulator

High efficiency PWM regulator mounted in post base.

Ingress Protection

LED BEACON

Beacon

335mm diameter, self coloured, rotationally moulded, U.V stabilised (UV15), low density polyethylene, 2.5mm nominal wall thickness.

Gallery

Die Cast LM6-M aluminium, acid cleaned, chromate primed and polyester powder coated black (150µm min). High performance gasket at beacon interface. All threads stainless steel bushed.

Pre-fitted stainless steel shroud fixing points.

Light Engine

Custom LED driver driving LED's with a consumption of 3.4 watts when lit. LED driver efficiency 90%.

Integrated flash controller.

Short circuit and open circuit protection.

Light Output

350 cd/m² with uniformity > 0.66.

Ingress Protection

IP54.

POST

Construction

76mm x 140mm mild steel large base post, galvanised after manufacture, conforming to BS EN 40. Finished black with three white reflective bands.

Fixing

Rooted or Flanged post available.

GENERAL

Beacon Shroud (fitted as standard)

3mm black self-colour polycarbonate with stainless steel fittings.

Fasteners

Stainless Steel

Simmonsigns Limited reserves the right to alter or improve this guide without prior notice.

BS8442:2015

AUTONOMY Battery Discharge over time Volts 16 14 12 10 Days Measurements taken with beacon connected and Solar Panel disconnected

System autonomy > 9 days, (Should charge not be received).

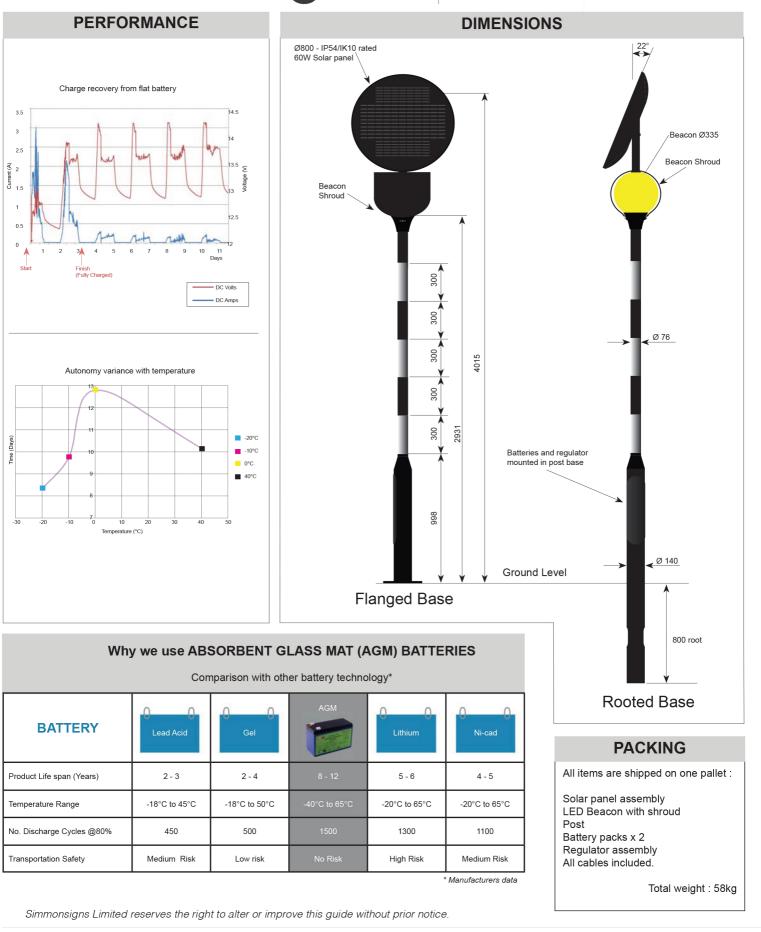
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SOLABELSolar Powered Belisha Beacon Data Guide



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