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SAFETY FIRST

Ensure that the site is surveyed for buried services and that any electrical supply is isolated before commencing work.

All materials to be handled using suitable mechanical equipment or sufficient manpower for the weight of the item being handled.

TOOLS & MATERIALS REQUIRED

Tri-head Key. 5mm Allen key. Electrical Screwdriver. Side Cutters 13mm spanner Spirit Level Concrete - ST2 BS8500

PACKING LIST

Box 1 - Solar panel Box 2 - LED Beacon & shroud. Box 3 - Solar Panel support, battery and regulator Unboxed - Post.



INSTALLATION

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+44 (0)7841 052 022 +44 (0)1952 293 333 sales@simmonsigns.co.uk Stafford Park 5 Telford Shropshire TF3 3AS

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Solabel Flanged Post Installation Guide



Pull the solar output lead out of the solar panel support bracket and carefully lift the solar panel assembly above the solar panel spigot. Connect the solar output lead to the PV connection lead using the corresponding plug and socket.

Place the solar panel over the solar panel spigot taking care not to trap the solar output cable.

Rotate the panel to point directly south, ensuring that the panel has an unobstructed view of the sun.

Check that the upper seal is compressed against the shroud and the beacon is seated against the beacon seal. Tighten the 4 grub screws to lock the panel in place.

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Moving to the column base, use the Hook bolt to fix the regulator board in the base.

The next step (7) is to install the batteries and make the connections. Please ensure that the connections are made in the following order:

- 1. Battery
- 2. Load
- 3. Solar panel

Hook Hook Hook

Battery Loop

Take the first battery pack, which is hung from the hook on the regulator board using the extension loop supplied. This will position the battery in the lower position. Connect the battery to the longer battery connector.

Repeat for the second battery pack, which is hung from the same hook without the extension loop. This will position the battery in the higher position. Connect the battery to the remaining battery connector.

Make the remaining connections to the load and finally the solar panel.

Locate the regulator On/Off Switch and press to switch on.

After a short delay the SOLABEL will start flashing.

Finally replace the column door.

REGULATOR STATUS

Indicator	Color	Status	Instruction
PV	Green	On Solid	PV connection normal but
			low voltage(irradiance) from
			PV, no charging
	Green	Slowly Flashing(1Hz)	In charging
	Green	Fast Flashing(4Hz)	PV reverse polarity
	Green	OFF	No PV voltage(night time) or
			PV connection problem
Battery	Green	On Solid	Normal
	Green	Slowly Flashing(1Hz)	Full
	Green	Fast Flashing(4Hz)	Over voltage
	Orange	On Solid	Under voltage
	Red	On Solid	Over discharged
	Red	Fast Flashing(4Hz)	Battery Overheating

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Solar

Connector

Battery Connector

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CIRCUIT DIAGRAM



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