

How to Install Jaksun Solar Fence Panels

Thank you for choosing Jacksons Fencing. Our premium fencing products will last for years and give you trouble-free service if you follow the installation instructions below, which are offered as a general guide.

Tools required:

String Line	Spirit/Post Level	Clawhammer	Fencing Spade
Tape Measure	Marker Pegs	Saw	Shuvholer
Pencil	Chisel		

Materials:

Jaksun Fence Panels	Gravel Boards	Slotted Jakposts	Capping Rails
Panel Screws			

The following instructions serve as a general guide for installing the fence component of the Jaksun solar solution. After installation, it's imperative to connect the fence to a mains/inverter system, which we do not provide. This connection should be carried out by a certified MCS qualified Solar PV installer that is also a member of a CPS from microgeneration technology, such as NICEIC.

Method

- 1) Clear and level the site.
- 2) Follow our ['Panel Fencing Instructions'](#) to point 6 making sure all Timber Post installations have proper drainage to avoid premature rotting. For details refer to the installation instructions for ['Timber Fence Post'](#).
- 3) After point 6. The top 150mm needs to be removed from each of the slotted post centres to allow room for the cable connections between panels. This can be achieved by drilling across the post centre with 3 no. 15mm holes and then chiselling the section out and removing any intruding nails. Make sure that the connector located at the top edge of the panel is fed into this gap at the top of the slotted Jakpost and is not trapped in anyway before screwing the panel into place. Drill through the post and into the panel but avoid screwing near any cables or near the black aluminium panel framing.
- 4) Put the second post in its hole after fixing and butt it up tight to the end of the panel, again making sure that the cable on the panel is fed into the compartment at the top at the post and not trapped in any way. Hold post upright and level while you screw the panel to the post (again avoiding cables) then back-fill or concrete as before. If necessary, support the post in the hole with blocks or bricks before concreting it in.
- 5) Follow the above steps until the end of the run.
- 6) You can connect the cable from the top of each post once two or more panels have been installed. Install the panel securely before connecting the cables to avoid them potentially being strained.
- 7) A section of slotted post infill can be fitted to the last post to close off the cable connection gap. Run a suitable length of ended 'return' cable along the tops of the panels and posts, starting at the far end of the run (to avoid surplus cable at the far end) back to the end with the solar control system. Add capping to the top of the fence running the 'return' cable into the slot in the capping. Nail/screw the capping rail as per the panel instructions but take extra care to avoid the cable that will be positioned in the centre of the capping. Also, the nails or screws should be carefully attached to the frame of the Jaksun panel, avoiding the black aluminium solar panel frame itself.

- 8) At the control system end of the run, add an ended connecting cable of suitable length to the first panel connector. Secure the cables in the exposed slot of the first post and if necessary, cover with suitable trunking.
- 9) Any cut ends should be treated with end grain preservative.
- 10) Tidy up the site, making sure no nails have been left lying around in case they cause injury to children or animals.

Safety Notes:

Please ensure that your work area is clear and tidy, and that components and tools are close to hand. When using hand and power tools please ensure that you follow the manufacturer's safety instructions including the use of safety glasses and gloves. When using ladders of lifting heavy objects please observe correct procedures. Only lift objects that are well within your capability. Avoid overhead lines.

Consider whether underground services (electricity cables, gas pipes, water, etc) exist in an area to be excavated. Use a Cable Avoidance Tool (CAT scanner) wherever possible. Watch out for signs of services (coloured gravel etc.) as excavation continues. Do not use a mechanical excavator within 500mm of detected services.

SAFETY BOOTS AND HI VIZ CLOTHING MUST BE WORN AT ALL TIMES, USE GLOVES WHEN HANDLING CONCRETE

Additional Safety Notes:

Biocidal Products Regulation (EU528/2012):

Jakcured articles incorporate biocidal products to protect against wood destroying organisms.

Active ingredients include: Copper(II)Carbonate / Copper(II)Hydroxide / Propiconazole / Tebuconazole

Wear gloves when handling freshly treated wood. Avoid breathing dust when cutting. Dispose of off-cuts responsibly – do not burn