



INSTALLATION FILES

2025

Installation

Connectivity

Installation

Placement: Solar Central Station

Solar Central Station = Central Station + solar panel



Central Station
(mounted with magnets on a pillar)



30W Solar panel
(mounted with clamps on a pillar)



Solar Panel Upside



Solar Panel Downside



Metal Holder



Wing nut M6



Jubilee Hose Clamps

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Solar Central Station = Central Station + solar panel



Central Station

(mounted with magnets on a pillar)



30W Solar panel

(mounted with clamps on a pillar)

1

Place sensors within **300-500 meters** of the Station.



Sensor

Max 300-500m



Central Station

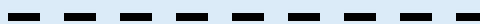
2

Keep the central station in **line of sight** of the sensors.



Sensor

Direct line of sight

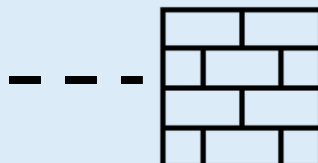


Central Station



Sensor

Wall obstructing signal



Central Station



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3

Position the Central Station **high up** to improve signal.



Central Station



Close to
the ground



High up



4

Parts:

- Solar Panel - Solar panel holder - 2 x Wing nuts M6 (stainless steel) - 2 x Jubilee Hose Clamps (stainless steel)



Solar Panel Upside



Metal Holder



Wing nut M6



Jubilee Hose Clamps

5

Position the metal holder so that the top holes align with the ones in the holder.

Fasten the wing nuts to attach the holder securely to the solar panel on both sides.



Installation

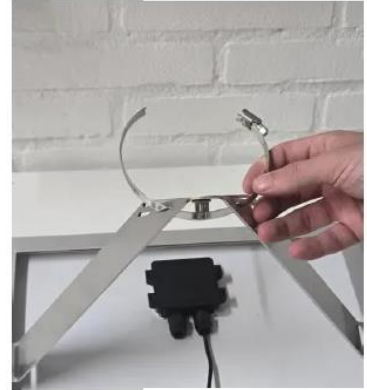
Placement: Solar Central Station

6

Loosen the jubilee hose clamp using a screwdriver. Thread the clamp through the holes in the centre of the metal holder.

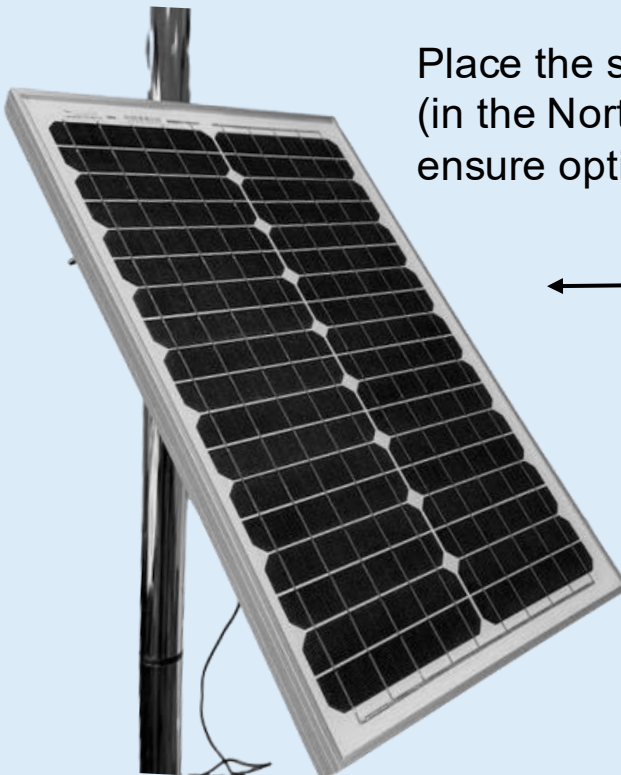


Solar panel is now ready for installation



7

Place the solar panel on a pillar and fix it with screw drive, by turning the screws until the panel is sturdy.



Pillar

Place the solar panel facing South (in the Northern Hemisphere) to ensure optimal charging.

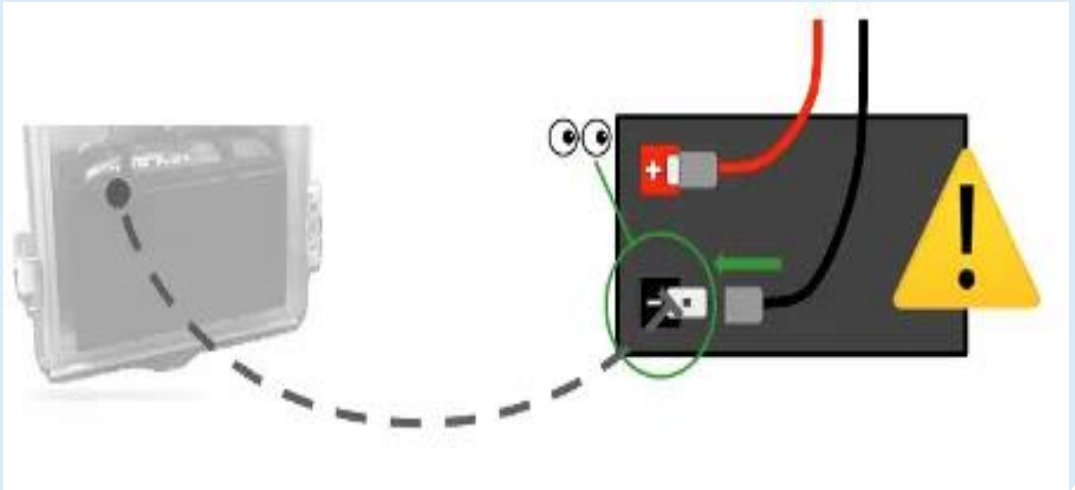
← faces South

Installation

Placement: Solar Central Station

8

Connect the negative lead (black connector) to the battery. Close the enclosure securely.



9

Connect the solar panel to the gateway using the cable attached to the opposite side of the panel.

The connection point on the gateway is located in the enclosure at the top-left corner.

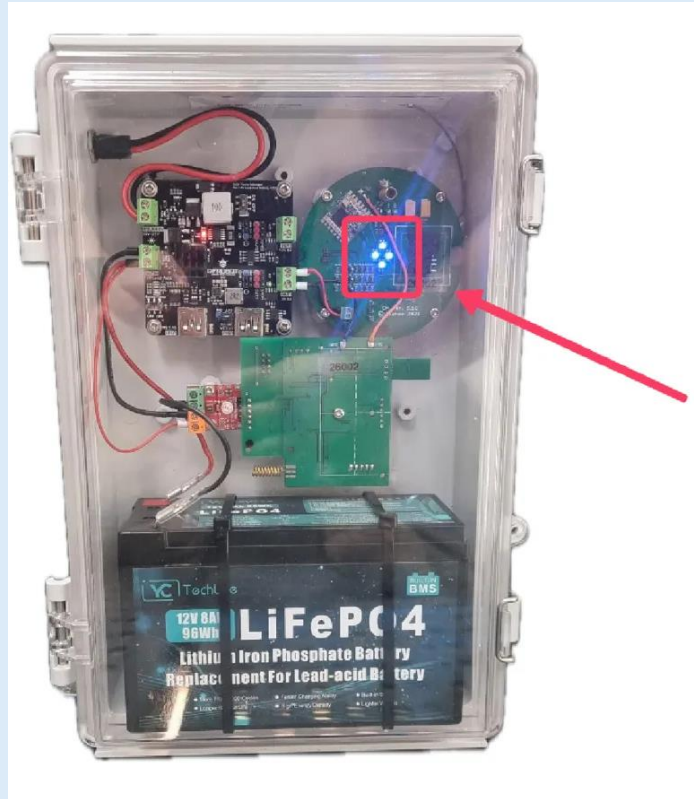


Installation

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10

The wireless gateway is capable of self-diagnosis, see self-diagnosis table for possible states of failure and solving actions.



Light	Meaning	What to Do
Red	Critical error	Contact support@sigrow.com and open a replacement ticket.
Magenta	Sensor data received, searching for cellular signal	If it doesn't turn blue within 1 hour, move to another spot and contact support.
Green	Gateway ready, waiting for sensor data	Place sensors and gateway closer together.
Blue	Data is being received and uploaded	System is working fine, no action needed.

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