

Outdoor Solar Panel for Li-ion FT Motor



AUTOMATE® | Outdoor Solar Panel provides supplemental power to the Li-ion FT Motor. It delivers power in a variety of conditions, including low-light environments.

Features:

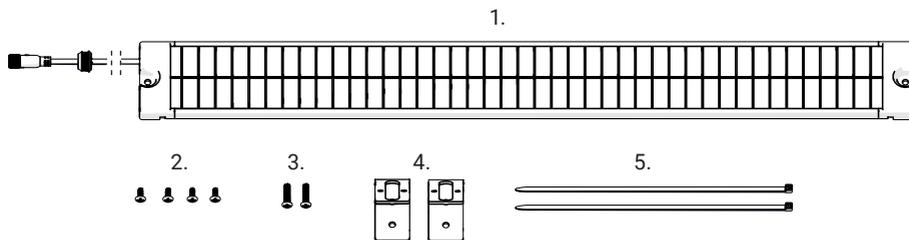
- Renewable energy source
- Extended battery life for Li-ion FT motors (plug-and-play)
- Sleek design allows for unobtrusive placement
- Supports power generation in varied conditions
- Charges even when partially shaded

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1. What's in the Box

1. Solar Panel
2. L-Bracket Mounting Screws (Phillips, Pan Head, Self-Tapping, ST4.2 x 8mm)
3. Solar Panel to L-Brackets Screw Set (Phillips, Pan Head, Self-Tapping, M4 x 16mm)
4. L-Brackets
5. Cable Ties



2. Compliance Statement

This device complies with Part 15 of the FCC Rules / Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide

reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



Do not dispose of in general waste.
Please recycle batteries and damaged electrical products appropriately.

Ne pas jeter avec les déchets ordinaires. Veuillez recycler les piles et les produits électriques endommagés de manière appropriée.



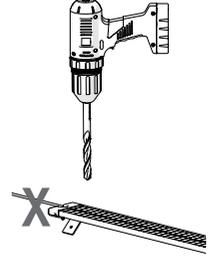
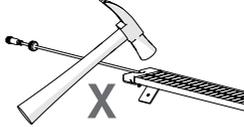
CAN ICES-3 (B)/NMB-3(B)



3. Safety Instructions

WARNING: Important safety instructions to be read before installation

- Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- Incorrect installation can lead to serious injury and will void the manufacturer's liability and warranty.



CAUTION

- Do not allow children to play with this device.
- Use or modification outside the scope of this instruction manual will void warranty.
- Installation and programming to be performed by a suitably qualified installer.
- For use with Li-ion FT Motors only.
- Do not cut cables.
- Use only with Rollease Acmeda hardware.
- Suitable for exterior applications.
- Do not drill into Solar panel body.
- The routing of cable through walls shall be protected by isolating bushing or grommets.
- Ensure cable is clear and protected from moving parts.
- If cable or power connector is damaged do not use.

Important safety instructions to be read prior to operation

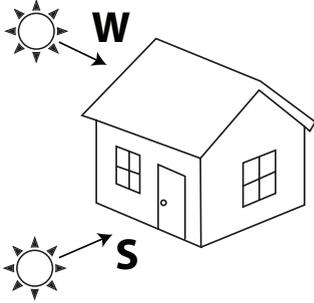
- It is important for the safety of persons to follow the enclosed instructions. Save these instructions for future reference.
- Persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge should not be allowed to use this product.
- Frequently inspect for improper operation. Do not use if repair or adjustment is necessary.

4. Solar Panel Installation Location Guide

4.1 Optimal Placement for Solar Panels

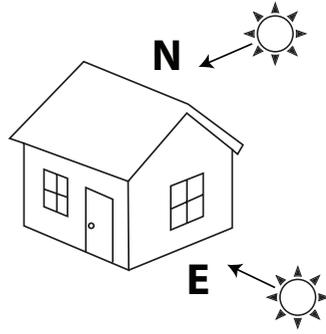
For optimal performance, position the solar panel where it will receive maximum direct sunlight throughout the day. Avoid shaded areas caused by eaves, trees, or nearby structures.

Northern Hemisphere



Face the solar panel **west** or **south**.

Southern Hemisphere



Face the solar panel **north** or **east**.

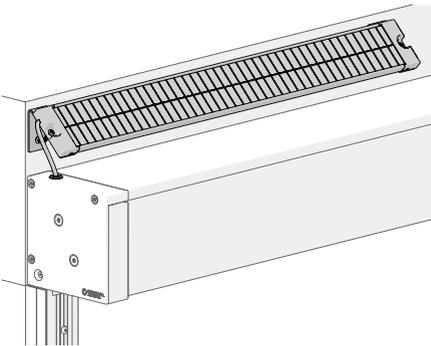
 **Note:** An angled Solar Panel (45°) improves exposure and helps rainwater clear dust and debris.

5. Installation

5.1 Mounting Options

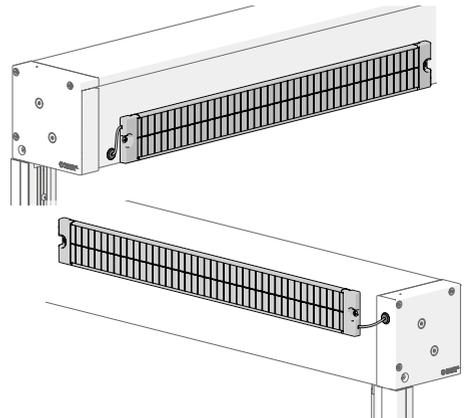
Option A

Attaching the solar panel to a surface using L-brackets



Option B

Attaching the solar panel directly to the headbox



5.2 Installation Process

1. Locate the optimal position for the Solar Panel.



IMPORTANT

Ensure the Solar Panel has adequate exposure to sunlight.

When selecting a mounting location for the solar panel, consider external obstructions (e.g. trees, buildings, signage, or shading) that may reduce sunlight exposure.

Fully charge the Motor before beginning Solar Panel installation.

2. Install the solar panel.

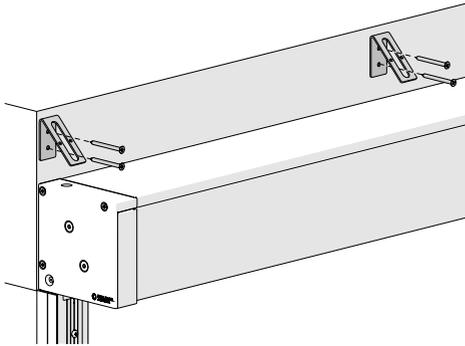


Note: Drill a $\varnothing 12$ mm [$1/2$ "] hole in the headbox so a grommet can be fitted, allowing the solar panel cable to pass through.

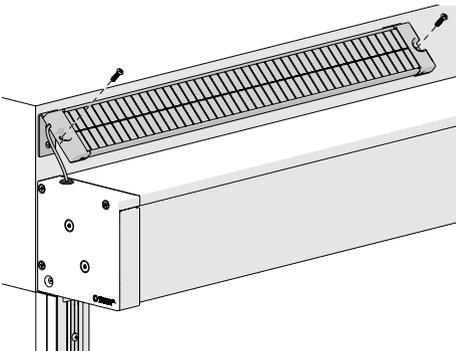


Option A

Secure the L-brackets to the mounting surface using fasteners appropriate for the substrate.



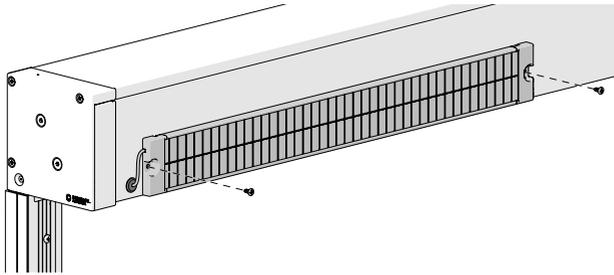
Attach the solar panel to the L-brackets using the supplied screws.



5.2 Installation Process (continued)

Option B

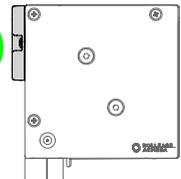
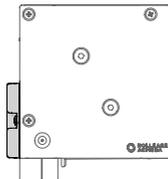
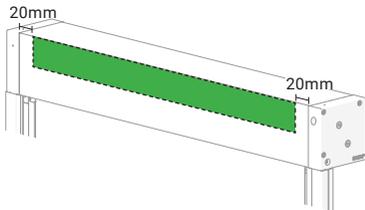
Attach the solar panel to the headbox using the supplied screws.



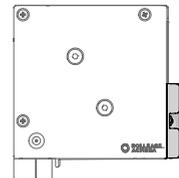
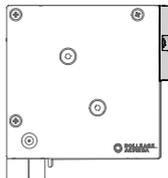
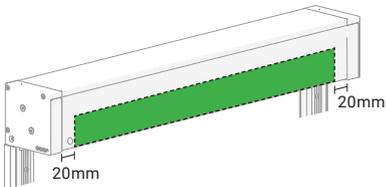
 **Warning:** Before installing the fabric assembly, pre-drill a $\varnothing 3.5$ mm ($\varnothing 1/8$ ") hole in the headbox at the mounting location. If the fabric is already installed, remove it first. Failure to pre-drill may cause fabric damage.

 **Warning:** The solar panel should only be installed within the shaded boxed area shown below for all headboxes compatible with the Li-ion FT motor. Installation outside this area may result in fabric damage due to screw penetration.

Back Mount



Front Mount



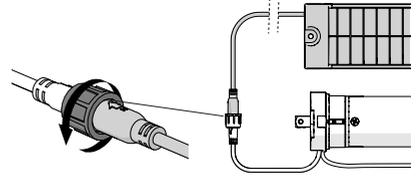
IMPORTANT

Any partial or total covering of any solar panel cell will degrade solar panel performance.

5.2 Installation Process (continued)

- Attach the Solar Panel and Motor DC connectors together.
Screw the cap over the connection to secure it and help maintain water resistance.

 **Important:** Arrange wiring to ensure it is clear from moving parts.



Optional Accessories

Extension Cable

Use extension cables to reposition the solar panel for better sunlight exposure.

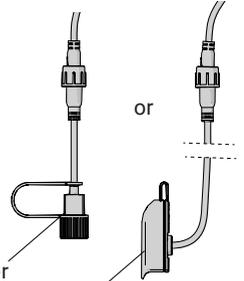
Available lengths:

- 3 m [10 ft]
- 0.9 m [3 ft]



Y-Splitter Cable

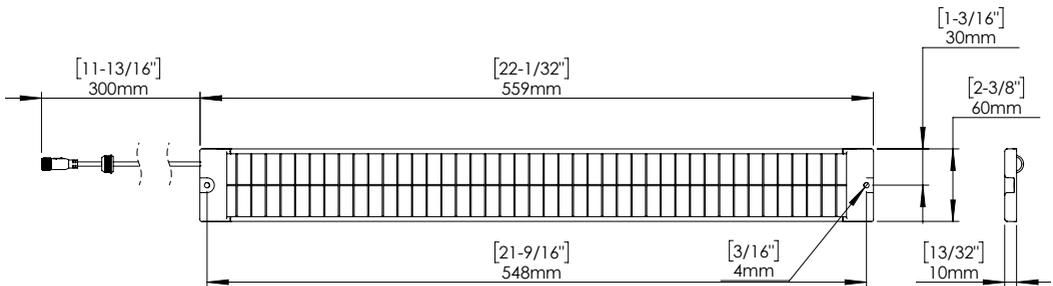
The Y-cable can be used to connect either a USB-C Charge Adapter or a USB-C Port Extension Cable (available separately).



USB-C Charge Adapter

SB-C Port Extension Cable

6. Dimensions



Specification Table

Max Output Power	4.7 W
Voltage	5 V
Current	750 mA
IP Rating	IP45

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