



Solar Kit Installation Guide

Solar Kit Includes:

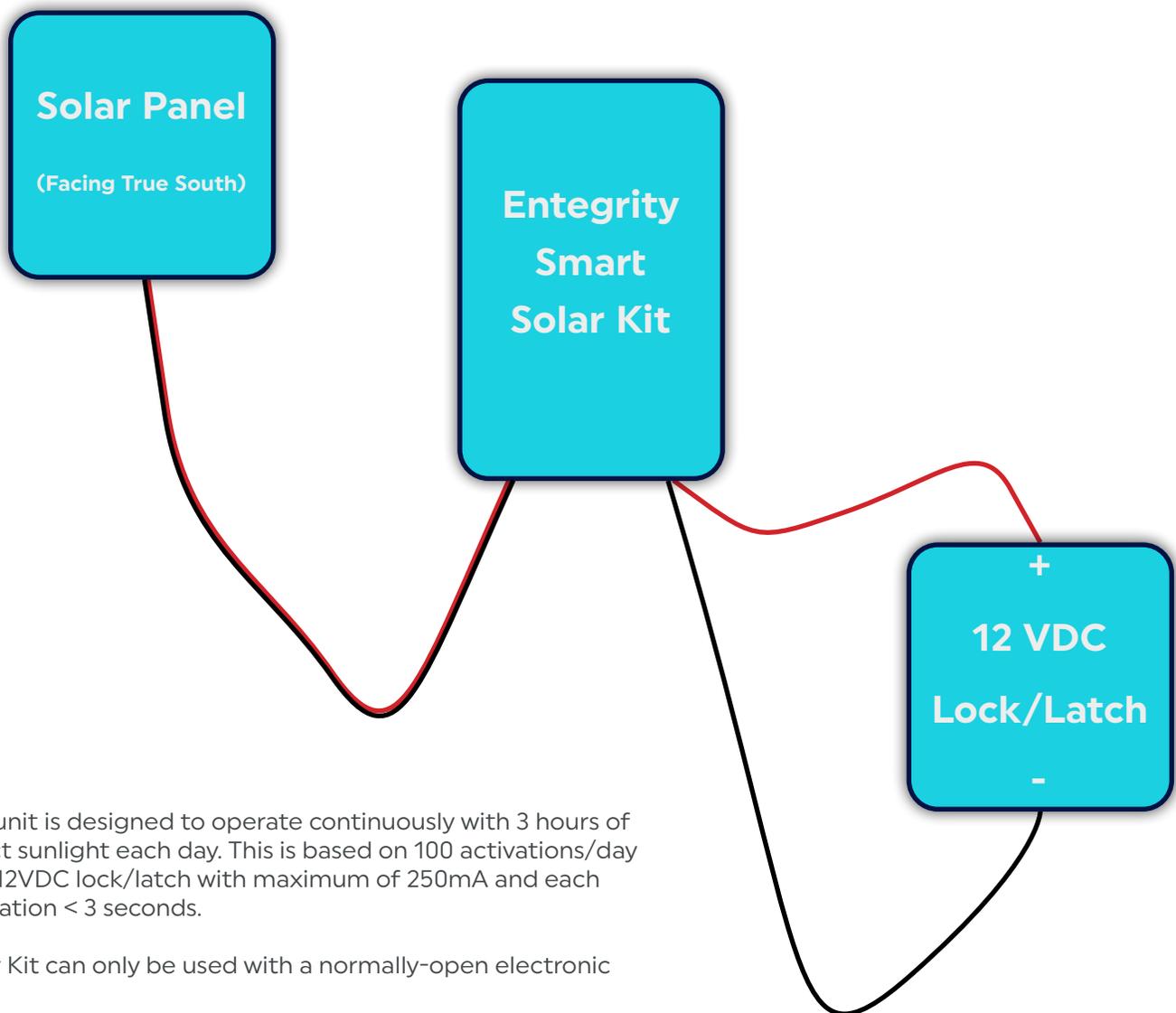
1. Environmental Enclosure
2. Solar Charge Controller
3. Door/Gate Controller
4. Battery Cables
5. Solar Panel Cable
6. 12VDC Lock/Latch Cable
7. Battery Backup
8. Solar Panel Mounting Bracket
9. Battery Velcro
10. Solar Panel
11. Cable Ties
12. Solar Panel Mounting Hardware
13. Enclosure Mounting Hardware
14. Liquid-tight fittings





How to install it

1. Safely mount the environmental enclosure to a sturdy fence or pole. When possible, do not mount the enclosure in direct sunlight. Each installation has unique requirements or codes, and may require additional mounting hardware to ensure compliance.
2. Safely mount the solar panel to a sturdy fence or pole. The solar panel should remain clear of shade and facing true south.



The unit is designed to operate continuously with 3 hours of direct sunlight each day. This is based on 100 activations/day of a 12VDC lock/latch with maximum of 250mA and each activation < 3 seconds.

Solar Kit can only be used with a normally-open electronic lock.



Wiring

1. If the existing grommeted cable openings will not be used, create new openings by removing knockouts on the environmental enclosure. Install liquid-tight fittings as per local requirements and codes.
2. Uncoil the solar panel cable (red tape and zip ties) and feed it through the appropriate opening of the environmental enclosure.
3. Connect the red wire of the solar panel cable to the (+) side of the solar panel.
4. Connect the black wire of the solar panel cable to the (-) side of the solar panel.
5. Uncoil the 12VDC lock/latch cable (yellow tape and zip ties) and feed it through the appropriate opening of the environmental enclosure.
6. Connect the red wire of the 12VDC lock/latch cable to the (+) side of the lock/latch.
7. Connect the black wire of the 12VDC lock/latch cable to the (-) side of the lock/latch.
8. While keeping the cables out of the way, peel off the front of the battery Velcro and slide the battery back along the bottom shelf of the environmental enclosure until it is pressed firmly against the battery Velcro.
9. Connect the red battery cable to the (+) side of the battery, and the black battery cable to the (-) side of the battery.
10. Confirm that the Door/Gate Controller LED is pulsing red.

