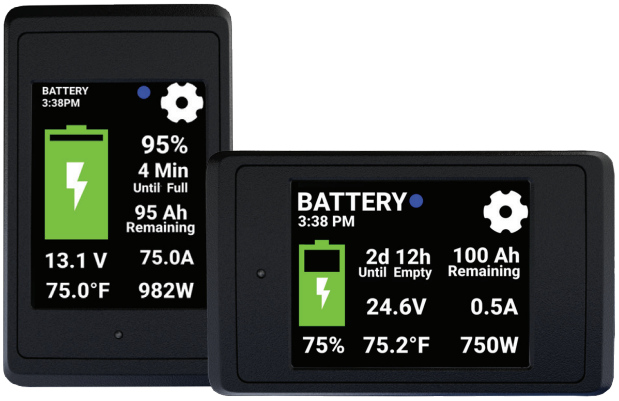
POWERTRAK™ DISPLAY

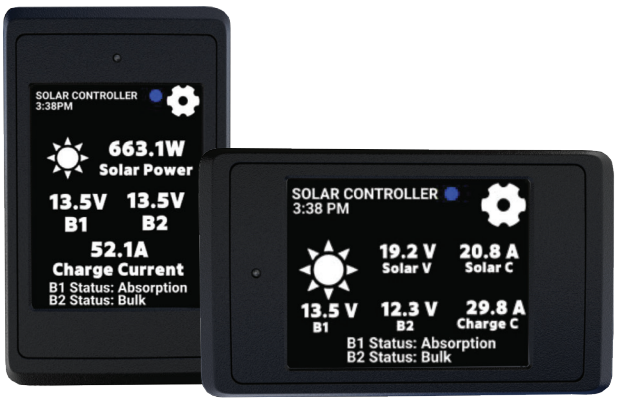
GP-PT-DIS-3
User Manual

- Start-up / Setup with Products
- Settings / Features
- App Android / iOS Connectivity & Over-the-Air (OTA) Updates
- Troubleshooting

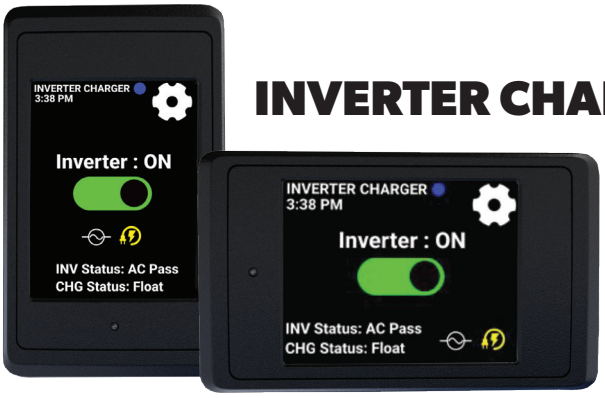
BATTERY



SOLAR CONTROLLER



INVERTER CHARGER



Worldwide Technical Support and Product Information gopowersolar.com
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Tel: 1.866.247.6527

Table of Contents

1 Important Information

Please read these instructions carefully and follow all instructions, guidelines, and warnings included in this product manual to ensure that you install, use, and always maintain the product properly. These instructions MUST stay with this product.

By using the product, you hereby confirm that you have read all instructions, guidelines, and warnings carefully and that you understand and agree to abide by the terms and conditions as set forth herein. You agree to use this product only for the intended purpose and application and in accordance with the instructions, guidelines, and warnings as set forth in this product manual as well as in accordance with all applicable laws and regulations. A failure to read and follow the instructions and warnings set forth herein may result in an injury to yourself and others, damage to your product or damage to other property in the vicinity. This product manual, including the instructions, guidelines, and warnings, and related documentation, may be subject to changes and updates. For up-to-date product information, please visit gopowersolar.com.

2 Explanation of Symbols

WARNING!
Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

CAUTION!
Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

NOTICE!
Indicates a situation that, if not avoided, can result in property damage.

NOTE!
Supplementary information for operating the product.

3 Safety Instructions

WARNING! Electrocution hazard
> Installation and removal of the device may only be carried out by qualified personnel.
> Do not disconnect any cables when the device is in use.
> If this device's connection cable is damaged, the connection cable must be replaced by the manufacturer, a service agent or a similarly qualified person to prevent safety hazards.
> This device may only be repaired by qualified personnel. Improper repairs can lead to considerable hazards.
> When the device removed from the system: Detach all connections. Ensure that no voltage is present on any of the inputs and outputs.

WARNING! Fire hazard
> Do not place the device on highly flammable surfaces.
> Avoid contact with direct heat sources.

WARNING! Health hazard
> This device can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the device in a safe way and understand the hazards involved.
> Electrical devices are not toys. Always keep and use the device out of the reach of very young children.
> Children must be supervised to ensure that they do not play with the device.
> Cleaning and user maintenance shall not be made by children without supervision.

CAUTION! Electrocution hazard
> Do not operate the device if it is visibly damaged.
> Observe that parts of the device may still conduct voltage even if a fuse has blown.

> Do not use the device in wet conditions or submerge in any liquid. Store in a dry place.
> Only use accessories that are recommended by the manufacturer.
> Do not modify or adapt any of the components in any way.

CAUTION! Damage hazard
> Before start-up, check that 12V-48V DC is supplied to the display to power up.
> Ensure the device is installed with appropriate clearance around the connector port on the back of the device.

Installing the device safely

WARNING! Electrocution hazard
> Lay the cables so that they cannot be damaged by any doors or access panels.
> Crushed cables can lead to serious injury.

CAUTION! Risk of Injury
> Ensure that the device is securely fastened so that it cannot get loose under any circumstances (e. g. sudden braking, accidents) and cause injury to the occupants of the vehicle.
> When positioning the device, ensure that all cables are secured with cable clamps and/or ties to avoid loose, dangling wires.

NOTICE! Damage Hazard
> Do not place the device near heat sources (heaters, direct sunlight, gas ovens, etc.).
> Set up the device in a dry location where it is protected against splashing water.
> Protect all cables that may be at risk of physical damage by using conduit or cable ducts.
> Ensure all cables have a smooth bend radius and no kinks are present.
> Do not pull on the cables.
> Do not place the device near AGM or EFB batteries because they produce flammable, corrosive and explosive gas while working.

Safety precautions when handling batteries

WARNING! Risk of Injury
> Batteries contain aggressive and caustic acids. Avoid battery fluid coming into contact with your body. If your skin does come into contact with battery fluid, wash that part of your body thoroughly with water. If you sustain any injuries from acids, contact a doctor immediately.
> When working on batteries, do not wear any metal objects such as watches or rings. Lead acid batteries can cause short circuits which can cause serious injuries.
> Only use insulated tools.
> Do not place any metal parts on the battery.
> Wear goggles and protective clothing when working on batteries. Do not touch your eyes when working on batteries.
> Do not use defective batteries.

WARNING! Health hazard
Keep the battery out of the reach of children.

CAUTION! Electrocution hazard

> Keep the battery away from water.

> Avoid short circuits.

> Avoid clothing rubbing against the battery.

> Wear antistatic clothing when handling the battery.

CAUTION! Explosion Hazard

> Do not place the battery in an area with flammable liquids or gases.

> Never attempt to charge a frozen or defective battery. Place the battery in a frost-free area and wait until the battery has acclimatized to the ambient temperature. Then start the charging process.

> Do not smoke, use an open flame, or cause sparking near the engine or a battery.

> Keep the battery away from heat sources.

NOTICE! Damage Hazard

> Only use rechargeable batteries.

> Prevent any metal parts from falling on the battery. This can cause sparks or short-circuit the battery and other electrical parts.

> Ensure that the polarity is correct when connecting the battery.

> Follow the instructions of the battery manufacturer and those of the manufacturer of the system or vehicle in which the battery is used.

> If the battery must be removed, first disconnect the ground connection. Disconnect all connections and all consumers from the battery before removing it.

> Only store fully charged batteries. Recharge stored batteries regularly.

> Do not carry the battery by its terminals.

Safety precautions when handling lithium batteries

CAUTION! Risk of Injury

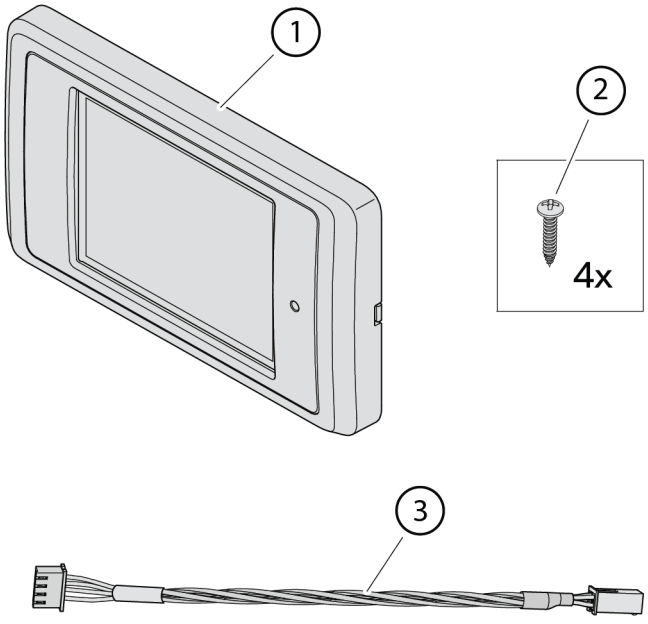
Only use batteries with integrated battery management system and cell balancing.

NOTICE! Damage Hazard

> Only install the battery in environments with an ambient temperature of at least 0°C (34°F) to ensure the battery can power the PowerTrak™ Display.

> Avoid deep discharge of the batteries.

4 What's Included



GP-PT-DIS-3 Kit

No.	Description	Qty.
1	**PowerTrak™ Display**	1
2	**Mounting Screw (#4 x 1/2")**	4
3	**RV-C Adapter Cable**	1

The diagram shown here is the GP-PT-DIS-3 kit. If a 25 ft or 5 ft connection cable is required to hook up your PowerTrak™ Device, please use the GP-PT-DIS-KIT instead.

5 Intended Use

The PowerTrak™ Display is intended for displaying, monitoring and controlling PowerTrak™ (RV-C) capable devices on the network such as the **PowerTrak™ Solar Controllers, Inverters, Inverter Chargers, and Batteries**.

The **PowerTrak™ Display *is suitable*** for:

- Installation in recreational vehicles, boats and trucks
- Connection to vehicle batteries
- Connection to battery chargers, solar charge controllers and inverters
- Stationary or mobile use
- Indoor use

The **PowerTrak™ Display *is not suitable*** for:

- Main operation (not compatible with 120VAC household mains power)
- Outdoor use

This product is only suitable for the intended purpose and application in accordance with these instructions.
This manual provides information that is necessary for proper installation and/or operation of the product. Poor installation and/or improper operation or maintenance will result in unsatisfactory performance and a possible failure.
The manufacturer accepts no liability for injury to any person(s) or damage to property or the product resulting from:

- Incorrect installation, assembly or connection, including excess voltage
- Incorrect maintenance or use of spare parts other than original spare parts provided by the manufacturer
- Alterations to the product without express permission from the manufacturer
- Use for purposes other than those described in this manual

Go Power! reserves the right to change product appearance and product specifications.

6 Technical Description

The PowerTrak™ Display provides a centralized connectivity interface. The primary function of the PowerTrak™ Display is to offer an interface for devices connected to the RV-C network. The RV-C network enables communication between PowerTrak™ compatible devices. Firmware updates can be carried out via an app so that new application functions and improvements can be sent to the installed devices.

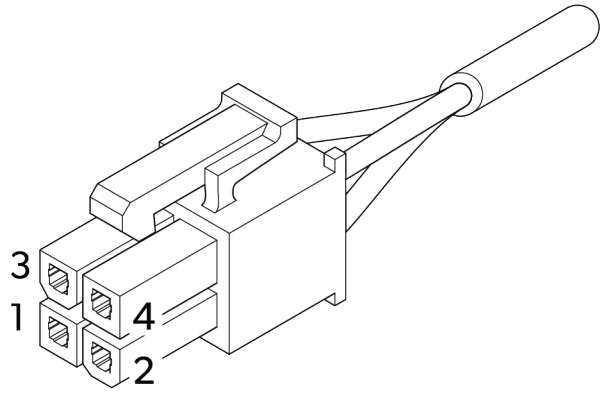
User must ensure 12V input is supplied to the PowerTrak™ Display via the RV-C adapter cable.

- We recommend using our Advanced Inverter Charger, Dometic MPPT30/40 Solar Controller or Advanced LFP Batteries (Battery Connect Cable needed) to achieve this requirement.

Please follow the connector assignment below ensuring RV-C connection and Power is supplied to the PowerTrakTM Display:

Connector Assignment

The RV-C adapter cable and the RV-C extension cable are equipped with a 4-pin connector (see Figure 1 below).



No.	Description
1	CAN-High Connection
2	CAN-Low Connection
3	Ground Connection
4	12V Input Connection

Figure 1

7 Installation

The electrical power supply must be connected by a qualified electrician who has demonstrated skill and knowledge related to the construction and operation of electrical equipment and installations, and who is familiar with the applicable regulations of the country in which the equipment is to be installed and/or used and has received safety training to identify and avoid the hazards involved.

Required Tools

- Drill
- 2" Hole Saw
- 1/16" Drill Bit
- Phillips Screwdriver

Installation location

- The PowerTrak™ Display should be installed in an accessible place.
- The mounting surface must be even and sufficiently solid.
- The PowerTrak™ Display must be installed inside the vehicle, in a location that is protected from moisture and dust.
- The PowerTrak™ Display must be installed away from flooded batteries and places free of acid gases.

Mounting the PowerTrak™ Display

1. Mark the drill hole positions to the mounting surface. This can be done by removing the display's screw cover and using the display to mark the drill holes, similarly a mounting template in Appendix A (See Chapter 18 – Appendix A) may be used.
2. Drill the marked hole.
3. Remove the battery monitor cover.

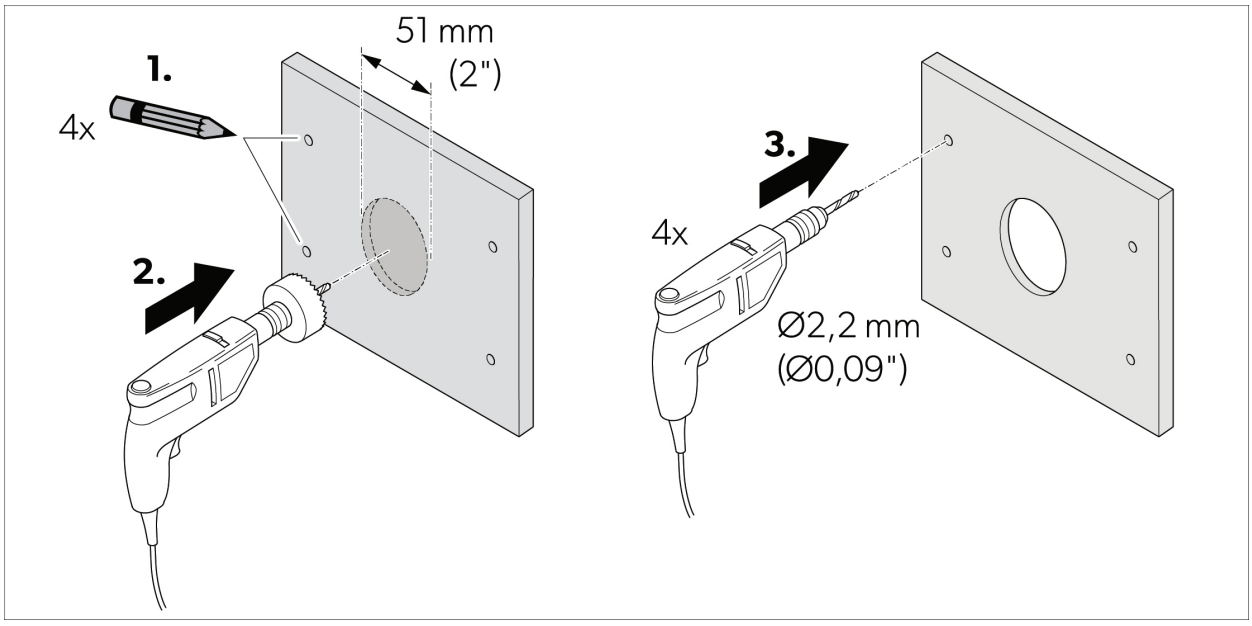


Figure 2

4. Connect the PowerTrak™ Display to your powered RV-C network. There are three possible ways to power your RV-C network from our products:

NOTICE! Ensure the RV-C adapter cable is securely connected to the PowerTrak™ Display. Avoid excessive bending of the cable, as this may damage the connections and prevent the PowerTrak™ Display from functioning properly. (Part No: 83438)

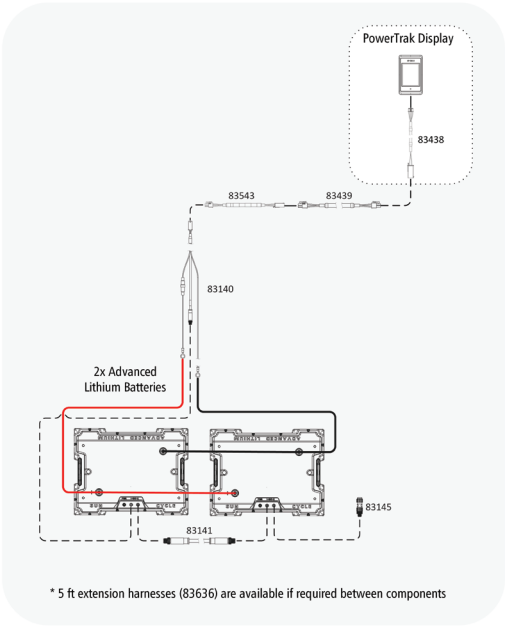


Figure 3

I. A **connection to the ADV-Lithium Battery using the RV-C battery connection harness** (Part No: 83140). This RV-C battery connection harness can also be used on a non-ADV-Lithium 12V battery to power the RV-C network.

Part Numbers (Figure 3):

83145 - GP-RVC-BCR

83141 - GP-RVC-BCE

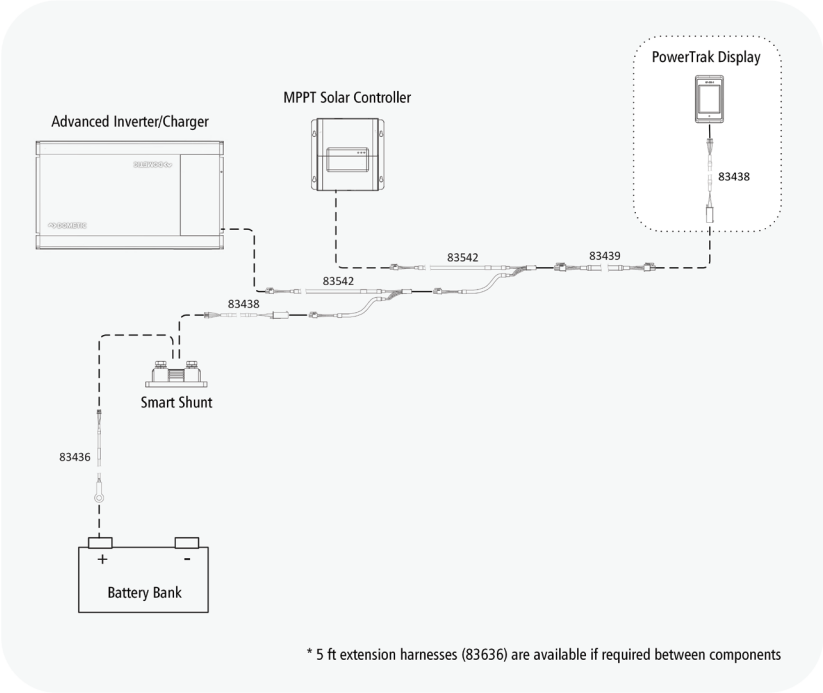
83140 - GP-RVC-BC

83543 - GP-RVC-PT-TR

83439 - GP-RVC-EXT-25

83438 - GP-RVC-ADPTR

II. A connection to the PowerTrak™ Smart Shunt to power the RV-C network.



Part Numbers (Figure 4):

83436 - GP-SHUNT-PC

83438 - GP-RVC-ADPTR

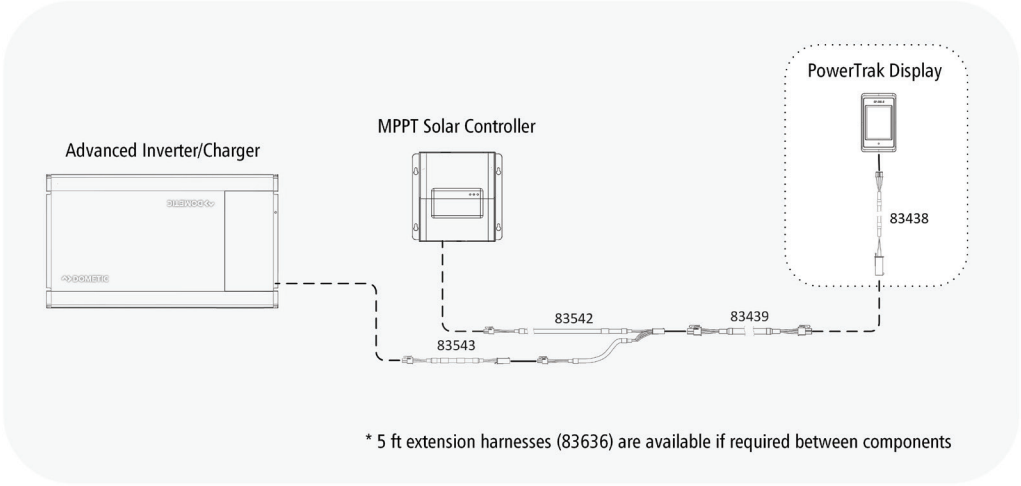
83542 - GP-RVC-PT-BC

83439 - GP-RVC-EXT-25

83438 - GP-RVC-ADPTR

Figure 4

III. A connection to either the SC-DB-MPPT-30/40-12, or Advanced Inverter/Charger to power the RV-C network.



Part Numbers (Figure 5):

83543 - GP-RVC-PT-TR

83542 - GP-RVC-PT-BC

83439 - GP-RVC-EXT-25

83438 - GP-RVC-ADPTR

Figure 5

5. After connecting the RV-C adapter cable, **feed the cable through the drilled hole** and screw the PowerTrak™ Display to the mounting surface.

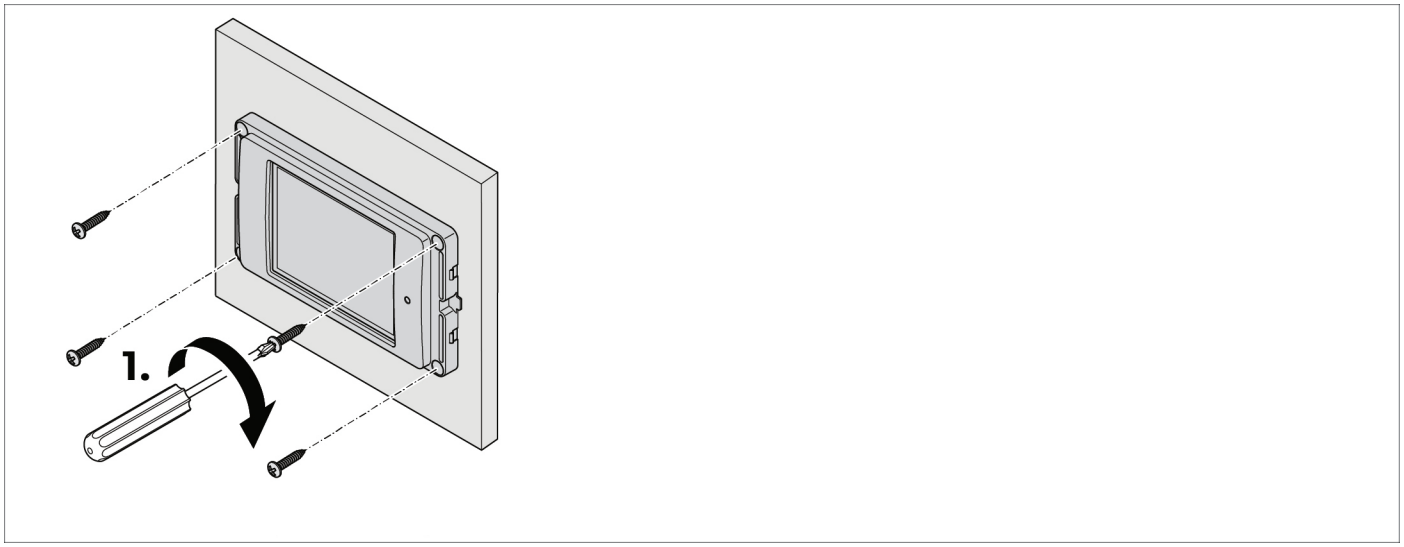


Figure 6

6. Remount the PowerTrak™ Display cover to the PowerTrak™ Display

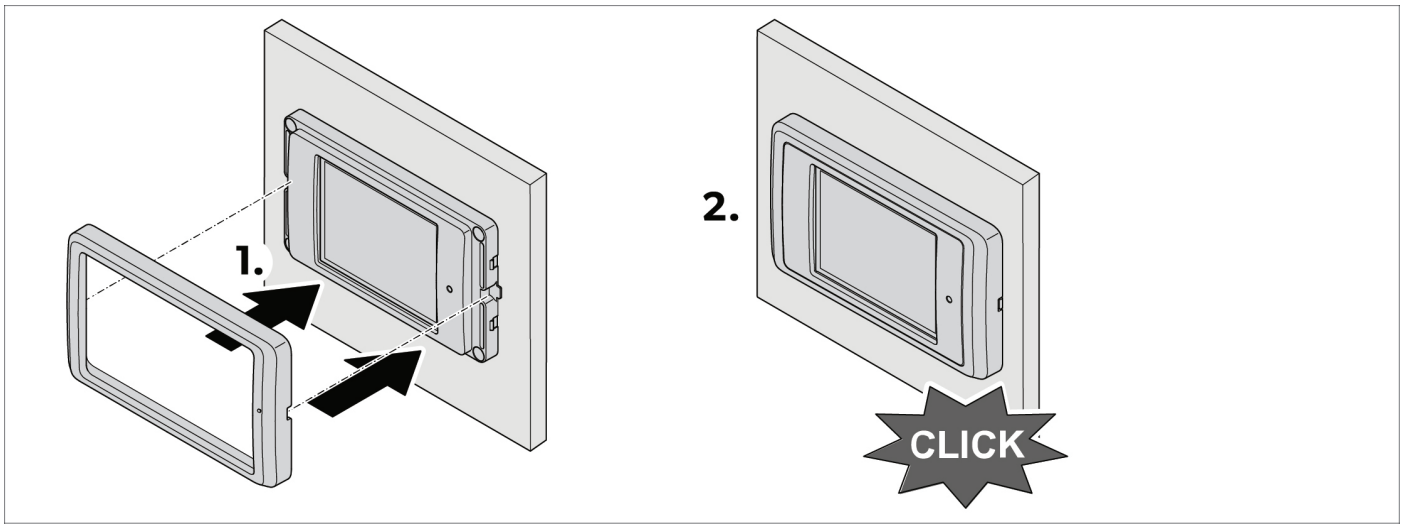


Figure 7

NOTICE! User may configure the orientation of the PowerTrak™ Display's user interface via the screen Settings. Inversion of the PowerTrak™ Display is possible in case the display is mounted upside down or sideways as shown below:

8 Initial Power Up & Setup

Upon powering the display, the **Go Power! | Dometic logo** will appear followed by the **Initial Setup screen**.

On the bottom left of the **Initial Setup screen** the user will be able to see **firmware version of the display**.

Note: PowerTrak™ Display's with firmware **versions lower than 1.0.24** should be updated to improve device compatibility and stability.

Please scan the QR below on a walk through for how to update your PowerTrak™ Display or look at our **Over the Air Update** section further in this manual.

Note | Important: Please wait for all devices to appear on the list prior to loading onto the screen. Failure to do so will require a reset via the screen to re-scan the connected devices on the RV-C network.

Tap the **LOAD button** after **all** connected devices appear on the **Initial Setup** page (see Figure 8 below).

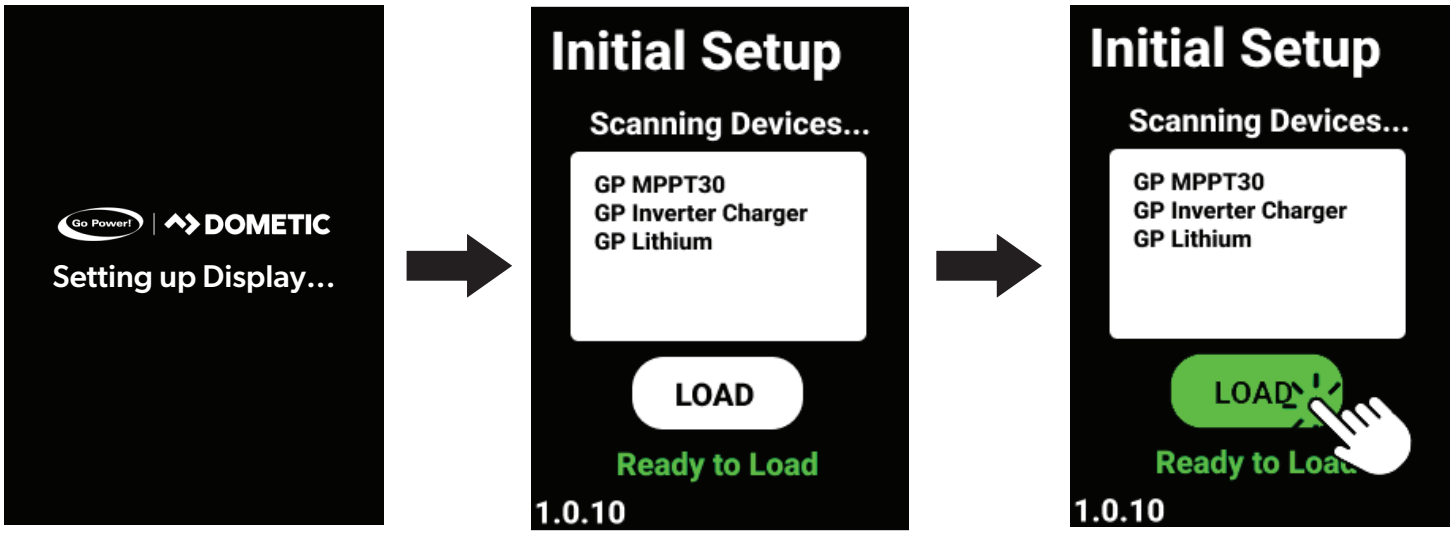


Figure 8

9 Main Screen

Upon loading into the Main Screen, the user interface of the display consists of the following:

- **Main Screens** only contain the basic and necessary information per product. It allows the user to understand the product's operation at a quick glance.
- **Information Screens** contain advanced information based on the device screen the user is on. It could be faults, firmware information, additional voltage & current measurements, and frequencies.

The PowerTrak™ Display currently offers three device types that will be shown on various Main Screens.

1. Battery Screen
2. Inverter/Chargers Screen
3. Solar Controller Screen

Here are the following current Go Power! Dometic products the PowerTrak™ Display is PowerTrak™ compatible with:

POWERTRAK™ COMPATIBLE:

Product Type	Product Name	Model
Battery	Advanced Lithium	GP-ADV-LIFEPO4-100, GP-ADV-LIFEPO4-300
	Smart Shunt	GP-SHUNT
Inverter Charger	Advanced Inverter/Chargers	AIC-3000-12-DL, AIC-3000-12-SL, AIC-2000-12-SL
	IC Series Inverter/Chargers	GP-IC-3000-12, GP-IC-2000-12
Inverter Only	Advanced Sine Wave Inverters with Transfer Switch	ASW-3000-12-TS, ASW-1800-12-TS, ASW-1200-12-TS
	Smart Sine Wave Inverters	SSW-3000-12-HW, SSW-2000-12-HW, SSW-2000-12, SSW-1800-12-HW, SSW-1500-12
Solar Controller	Go Power! Dometic MPPT Solar Controllers	SC-DB-MPPT-30-12, SC-DB-MPPT-40-12
	Go Power! MPPT Controller	GP-MPPT-30-RVC, GP-MPPT-10-RVC

Note: Please check our website (gopowersolar.com) for latest up to date products that support the PowerTrak™ Display.

Navigating Between Main Screens (Figure 9)

If the user has more than one RV-C product, more than one Main screen will be available to the user to view.

Swipe **LEFT** or **RIGHT** to navigate all **Main Screens** per connected product.

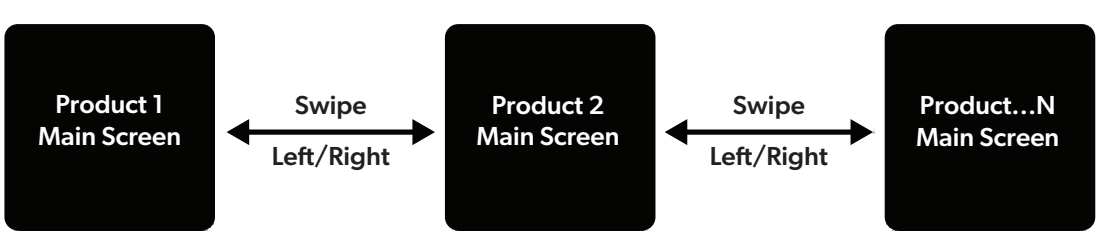


Figure 9

Navigating Between Main to Information Screens (Figure 10)

Some Main screens have further information screens giving advanced details that can be useful for the their RV-C product.

Swipe **UP** or **DOWN** to navigate between the **Main Screen** and **Information Screen** of the displayed product.

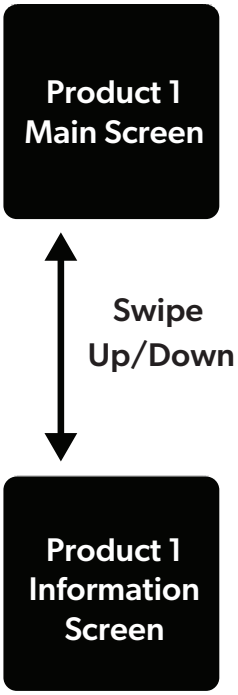


Figure 10

Press < or > to navigate **Multiple Information Screen(s) (Figure 11)** per connected device type.

Figure 11

9.1 Battery Main Screen

If the user has one of the supported **Battery** PowerTrak™ products, the following screen will appear.

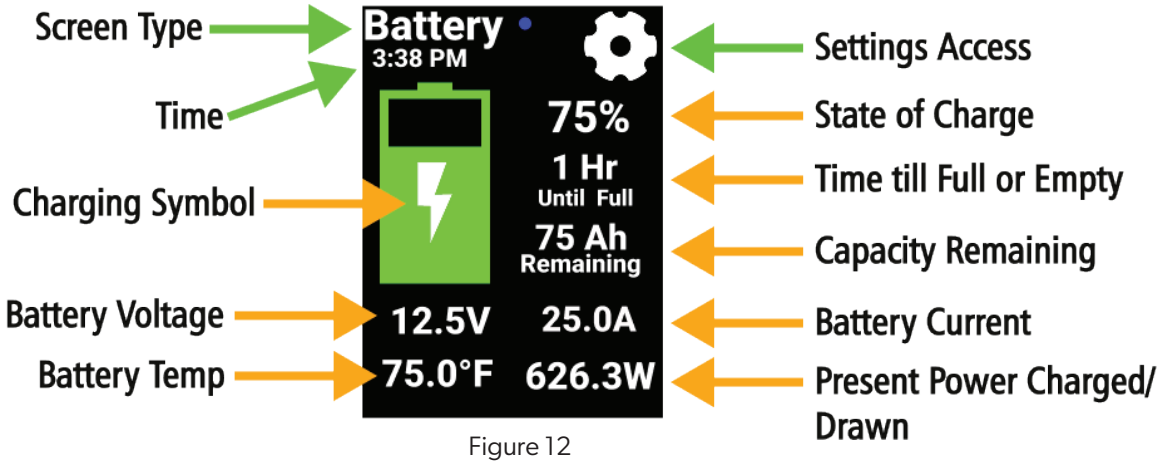


Figure 12

Display Label Name	Description
Charging Symbol	When charging current is detected into the battery, this symbol is present.
Battery Voltage	The voltage measured at the battery terminals.
Battery Temp	The internal battery temperature.
State of Charge	The charge state of the battery, represented as a percentage 0-100%.
Until Full / Empty	The time remaining till the battery is full while being charged or till empty while the battery is being discharged.
Capacity Remaining	The remaining ampere-hours the battery bank contains till empty.
Present Power Charged/Drawn	Real-time power measured from the battery. (Voltage x Current = Power).

Swipe **up** from the Battery's **Main Screen** to access the Battery's **Information Screen**.

Press < or > to navigate to the **Next** or **Previous Status Page** for the Battery's **Information Screens**.

Note: Refer to your Battery's product manual to learn more of its reported parameters that may be shown on the PowerTrak™ Display.

9.2 Solar Controller Main Screen

If the user has one of the supported "Solar Controller" PowerTrakTM products, the following screen will be shown.

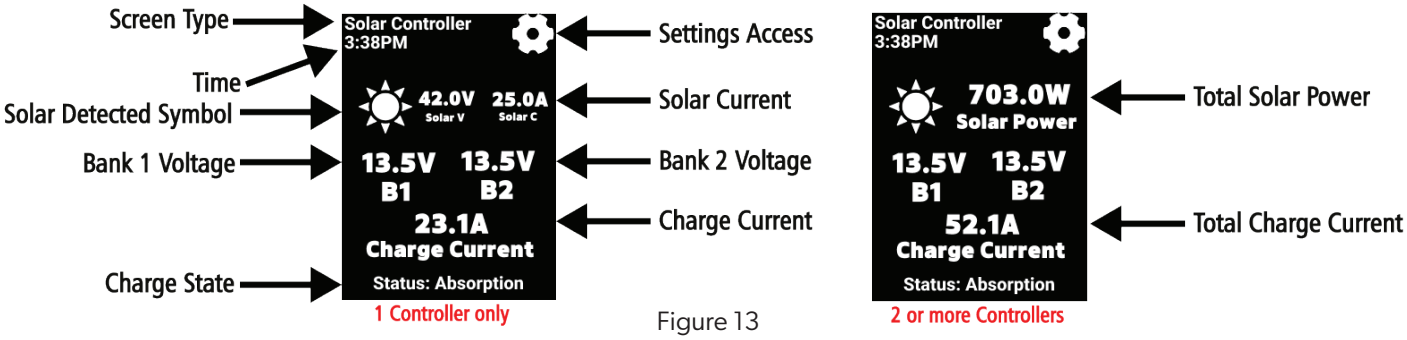


Figure 13

Display Label Name	Description
Solar Detected Symbol	If Solar Current/Voltage is detected, this symbol is illuminated.
Bank 1 Voltage	The voltage measured at the battery bank 1 terminals.
Bank 2 Voltage	The voltage measured at the battery bank 2 terminals (*if present).
Charge Current	The total charging current the solar controller(s) are delivering to the battery bank(s).
Charge State	The charging state the solar controller(s) are performing to the battery bank(s).
Solar Current	The real-time solar current measured from the solar panels to the controller.
Total Solar Power	The total amount of solar power generated from all connected solar controllers.

Swipe **UP** from the Solar Controller's **Main Screen** to access the Solar Controller's **Information Screen**.

Press < or > to navigate to the **Next** or **Previous Status Page** for the Solar Controller's **Information Screens**.

Note: Refer to your Solar Controller's product manual to learn more of its reported parameters that may be shown on the PowerTrak™ Display.

9.3 Inverter Charger Screen

If the user has a supported *Inverter Charger* or *Inverter* PowerTrak™ products the following screen will be shown.

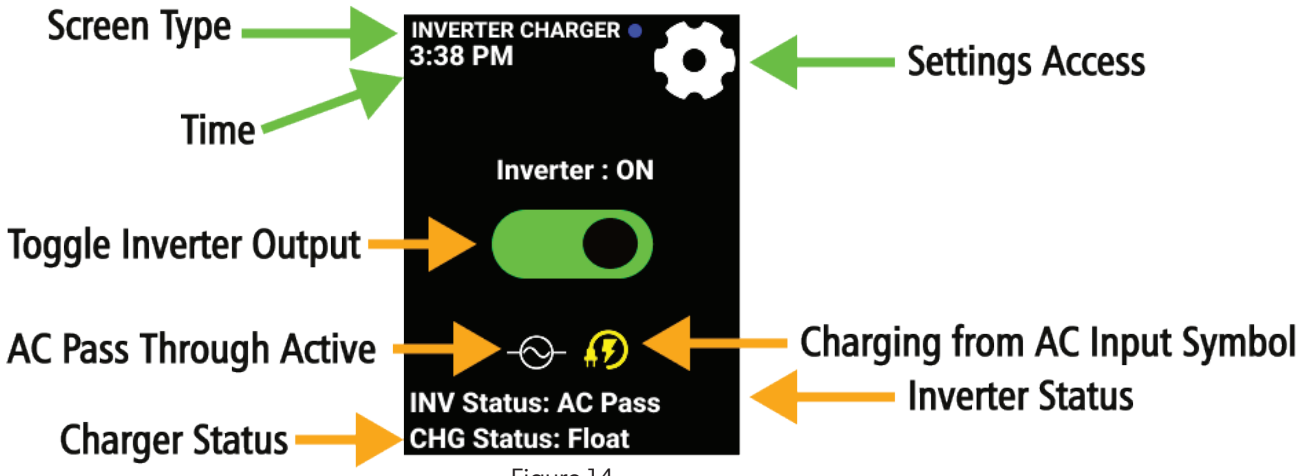


Figure 14

Note: Inverter Only RV-C products will show a similar screen like above but will have the charger portion removed, such as the "Charger Status", "Charging from AC input Symbol".

Display Label Name	Description
Toggle Inverter Output	Enable or disable the inverter output, AC loads will shut on or off.
AC Pass Through Active	Shown If the inverter is enabled and AC input is powering the inverter loads.
Charging from AC input Symbol (Charger Only)	Shown if AC input is detected and charging the battery bank.
Inverter Status	Real-time inverter state (Disabled, Inverting, AC Pass Through, Load Sense).
Charger Status (Charger Only)	Real-time charging state the charger is performing to the battery bank.

Swipe **UP** from the Inverter Charger's **Main Screen** to access the Inverter Charger's **Information Screen**.

Press < or > to navigate to the next or previous status page for the Inverter Charger's information screens.

Note: Refer to your Inverter/Charger's product manual to learn more of its reported parameters that may be shown on the PowerTrak™ Display.

10 Setting Screens

Navigating across different Product Settings

Press ⚙ from the **Main Screen**, to enter the **Settings Pages**.

To navigate and view the available **Product Types** perform the following:

< : The cursor position moves to the **previous Settings Page**.

 : The cursor position moves to the next Setting Page.

 : The home icon allows the user to return back to the main screen

To select the specific product's Settings page, tap the product's type to enter. Here are the available products that you may see on the Setting's pages.

Available Product Settings

Settings Page Types	Description
Battery Settings	Access the RV-C Shunt / ADV-LFP Battery Settings.
Inverter Settings	Access the Inverter Settings for RV-C Inverter Chargers and RV-C Inverters.
Charger Settings	Access the Charger Settings for the RV-C Inverter Chargers.
Solar Controller Settings	Access the RV-C Solar Controller Settings.
Screen Settings	Set Display Settings (BLE, Orientation, Brightness, Factory Reset, etc).
About Settings	View a list of connected products and their corresponding firmware.
Set Time & Date	Configure the Display's clock.
Auto Config	Synchronize all recommended charger Settings for the solar controller & inverter charger based off the pre-set battery profile.

Note: Settings may be greyed out and not available due to the product being unavailable or disconnected. To view product specific settings that are available please refer to the product manual.

To set a specific parameter to the product type, press and hold the desired product's parameter to enter (Examples: Battery Type, Capacity, Max Charge Current, Enable Charger, Etc.):

 : The cursor position moves to the previous product parameter page.

 : The cursor position moves to the next product parameter page.

 : The home icon allows the user to return back to the main screen

Note: If the user is unsure of the parameter, tapping the Settings label will issue a pop-up to appear describing the parameter's functionality.

Understanding Different Setting Parameter Interfaces

When setting parameters using the PowerTrak™ Display, there may be different interfaces. This section will discuss how to interact with the user interface properly to set the user's preferred parameter value.

Note: Some Setting parameters have **numerical values** and can be set by the following operations. Set the desired value and upon exiting the Settings screen the change will be applied.

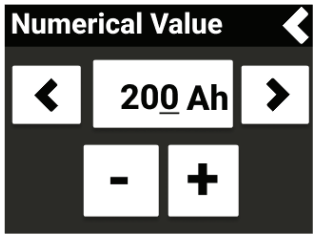


Figure 15

Press and hold the parameter enter the numerical value screen.

Adjust the value by pressing the buttons below:

: The cursor position moves to the next left number.

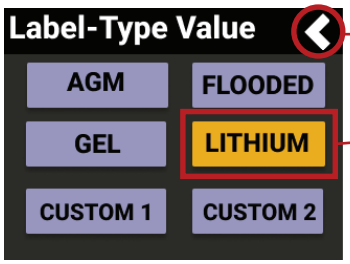
: The cursor position moves to the next right number.

: The corresponding value increases.

: The corresponding value decreases.

: Top right icon will exit to the previous Settings screen and set the user's desired value.

Note: Some Setting parameters have **labels as values** and can be set by the following operations.



Press and hold the parameter to enter the label type screen.

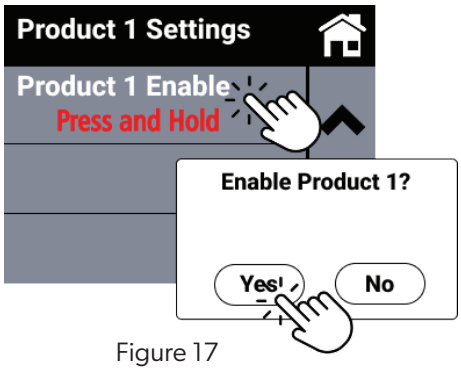
Tap desired label.

Exit the Settings screen by tapping the top right return button.

Figure 16

: Top right icon will exit to the previous Settings screen and set the user's desired value.

Note: Some Setting parameters are **enable-disable values** and can be set by the following operations.



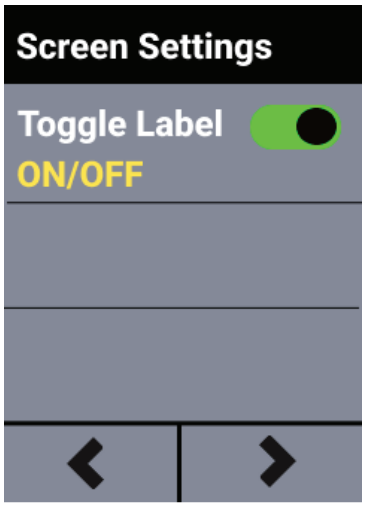
Press and hold the parameter for a pop-up to appear.

Tap desired option given the pop-up values.

Pop-up will close, and selected option will be performed.

Figure 17

Note: Some Setting parameters are **toggle values** and can be set by the following operations.



Press and hold to **disable** the current Setting

Press and hold to **enable** the current Setting

Figure 18

10.1 About Settings

Tap **About Settings** label to enter the **About Settings** screen.

The screen will show a list of connected products and their running firmware.

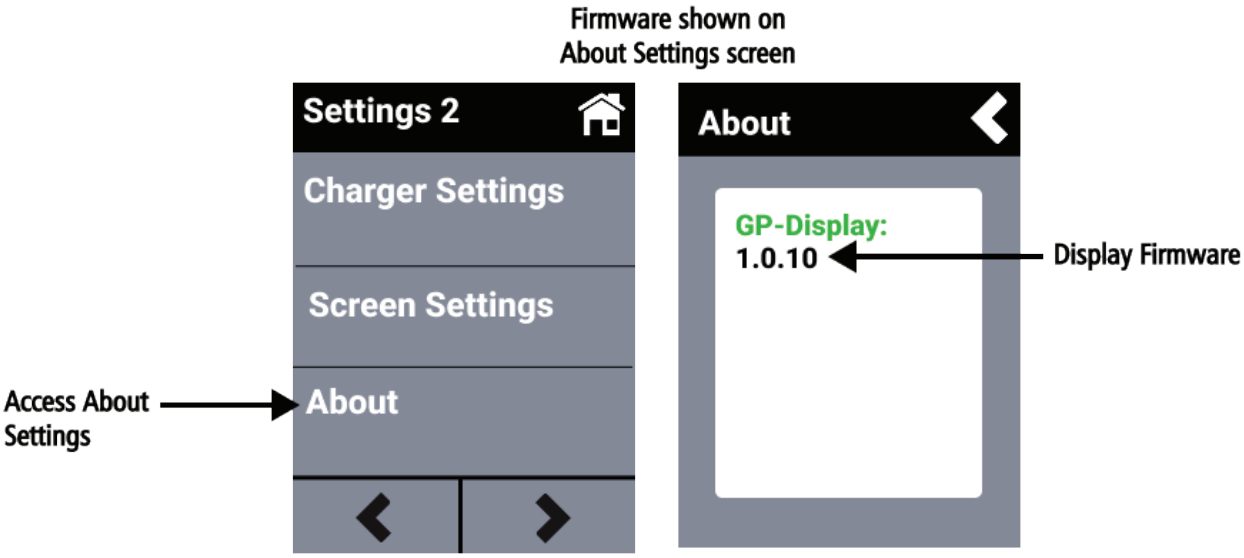


Figure 19

10.2 Screen Settings

Tap **Screen Settings** label to enter the **Screen Settings** screen.

Parameter	Description
Screen Orientation	Set the display's UI orientation: • **Landscape**: Landscape format. • **Inverted Landscape**: The display is rotated vertically in landscape format. • **Portrait**: Portrait format. • **Inverted Portrait**: The display is rotated vertically in portrait format.
BLE (Bluetooth Low Energy)	Enable or disable the BLE connectivity to use our Go Power Connect! App.
Brightness	Set the following Settings: • Adjust the brightness of the screen **0-100%** • Enable / Disable **Auto-Dim**, after 2 minutes the screen dims.
Change to C	Change the display temperature unit to **Celsius**, disable to show **Fahrenheit**.
Buzzer	Enable or disable the buzzer when navigation buttons are pressed in the display.
Reset	Allow the following Reset Settings: • **Reset to Default**: Revert display's Settings to factory default. • **Reset Display**: Soft reset the display. • **Factory Reset**: Revert the current display's firmware back to factory firmware.

10.3 Set Time & Date Settings

Tap **Time & Date Settings** label to enter the **Time & Date Settings** screen.

Parameter	Description
Time	Set the current hours and minutes of the display • To view the time in 24Hr or 12Hr format, press and hold the "Time" label to switch
Month & Date	Sets the current month and date.
Year	Set the current year.

11 BLE Connectivity Go Power Connect! App

11.1 How to Connect the PowerTrakTM Display to the App

The PowerTrak™ Display can connect to our **Go Power Connect! App** available on iOS and ANDROID.

1. Before continuing, please install the App.
   Enter the Play Store / App Store to download the most up-to-date Go Power Connect App!

   Android Scan Below:

   iOS Scan Below:

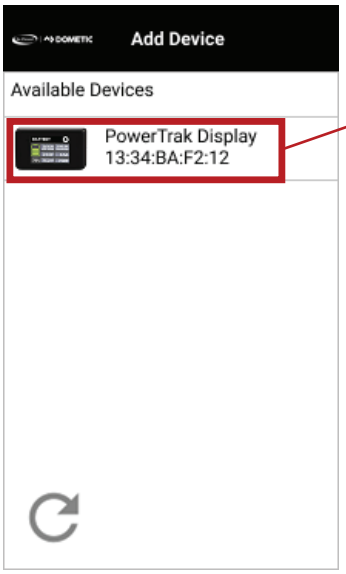
Note: Ensure the BLE is **enabled** on the PowerTrak™ Display after installing the Go Power Connect! App. This can be accessed in the screen Settings of the display.

2. Once installed open the Go Power Connect! App. The **Device Selection** screen will always be the first screen upon loading onto the app.

Tap the + button located at the top right screen to enter the **Add Device** screen

Figure 20

3. On the **Add Device** screen, tap the top-most PowerTrak™ Display icon. Closer BLE devices are listed at the top.



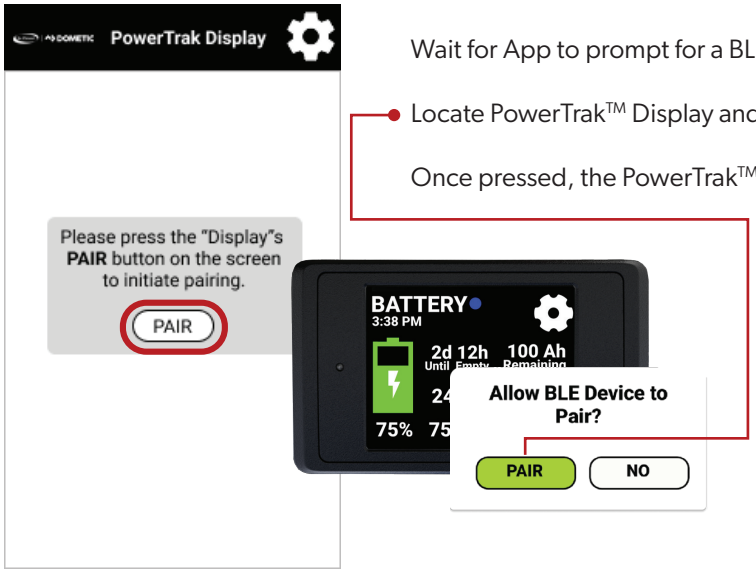
In the **Add Device** screen locate the top-most PowerTrak™ Display.

Select the **PowerTrak™ Display** to begin pairing

Figure 21

Note: Please be in front of the PowerTrak™ Display to authenticate & approve the app connection. Failure to do so will not allow the display to work with the app.

4. Wait for the Go Power! Connect App to prompt for a button press on the PowerTrak™ Display. This will allow the app to securely establish a connection to the PowerTrak™ Display.



Wait for App to prompt for a BLE connection on the PowerTrak™ Display.

Locate PowerTrak™ Display and press **PAIR** to authenticate the BLE connection.

Once pressed, the PowerTrak™ Display should successfully pair with the App.

Figure 22

Note: Pressing the **PAIR** *before* verifying the Go Power! Connect App is prompting the pairing request will cause failure. User must repeat steps to re-pair the Display if this is done.

11.2 Using the Go Power Connect! App to view RV-C Devices

1. After a successful connection the App will load into the PowerTrak™ Connected Devices screen. A list of connected RV-C devices will be shown.

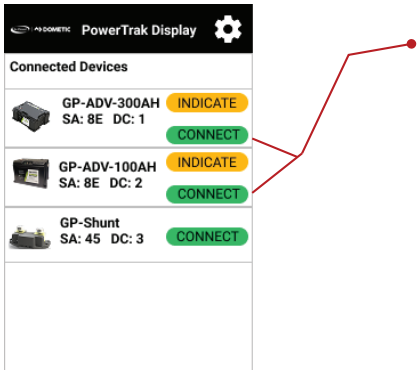


Figure 23

Select desired RV-C device to read information from by pressing **CONNECT.**

Press **INDICATE** to allow the PowerTrak™ device to blink its LED to help physically identify the device to connect to.

Press **CONNECT** to load to the device's Main status information screen.

Press ⚙ to load to the PowerTrak™ Display's Setting screen.

Tap the **INDICATE** to allow the battery to blink its LED to help physically identify the ADV-Lithium battery to connect to.

2. After connecting directly to the selected RV-C, the **Main Status Screen** containing basic information and additional details will be shown. Below is an example for the **GP-Shunt**.

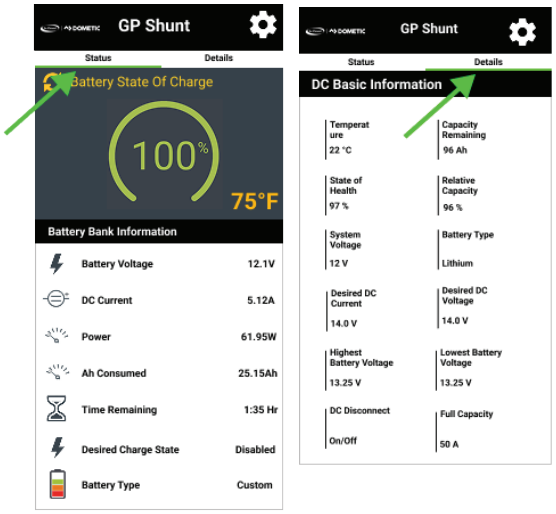


Figure 24

View the device **Main Status Information**

Device dependent, view additional information such as the historical data, charge cycles, and warnings.

3. To configure and view the **Settings Screen** of the selected RV-C device, Tap the top right Settings cog ⚙.

Press on Setting values to configure to the user's preferred Setting.

Scroll down to view more Settings if needed.

To return to the **Connected Devices screen** look for the **Return to Connected Devices** button located at the bottom of the **Settings Screen.**

To return to the **Main Status Screen** from the **Settings Screen,** tap the top left Go Power! Dometic Logo Go Power! | DOMETIC.

Note: To return to the Connected Devices screen from the selected RV-C Device's Main Status Screen Tap the top left Go Power! Dometic Logo Go Power! | DOMETIC .

11.3 Over the Air Update

Check if the PowerTrak™ Display requires an Update

Note: If your PowerTrakTM Display's firmware is lower than 1.0.24, we strongly urge users to update them for better compatibility & stability with our products.

1. Upon powering the display, the **Go Power! Dometic logo** will appear followed by the **Initial Setup screen**.

   On the bottom left of the **Initial Setup screen** the user will be able to see firmware version of the display.

2. If the display has already been powered on, the user can also view the **Display Firmware** through the settings.

   Press  to access the **Settings screen**, navigate and tap the **About Settings** to view the display firmware.

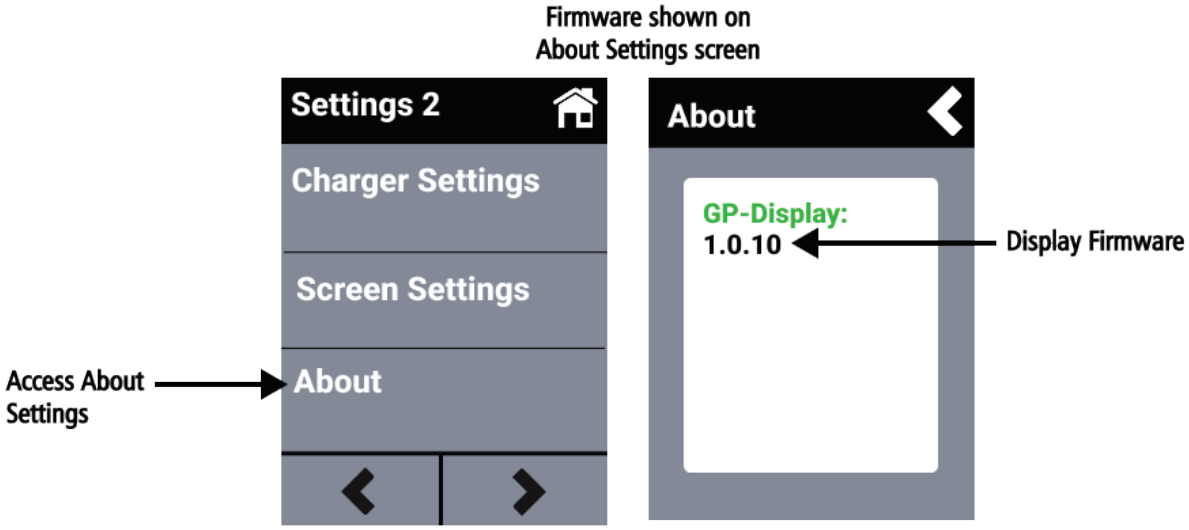


Figure 25

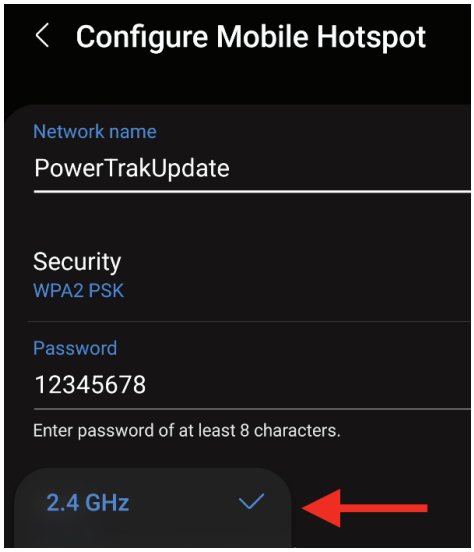
Update Requirements

1. Please ensure the user has a **2.4 GHz Wireless Network** to provide Internet Access to the Display.

   This can be achieved by a local Wi-Fi network via a router that is 2.4 GHz compatible

   Similarly, the user may use their phone mobile hotspot to host a 2.4 GHz network

Note: Users that are using their mobile hotspot, please verify in the Android or iOS Settings to **ensure the network is 2.4 GHz**. It is common to **turn on the mobile hotspot and the default may be a 5.0 GHz network**. These Settings are in your device's Hotspot Settings (see Figure 26 on the next page).



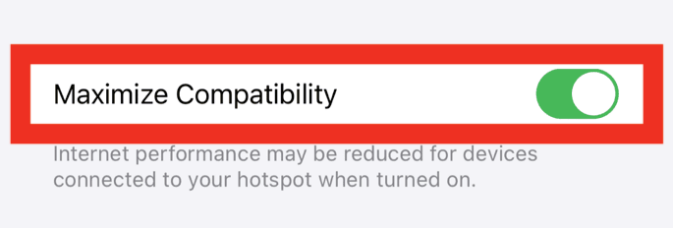


Figure 26

Note: Do not include any special characters such as "? ", $, [, \,],', + and space delimiters" for the Wi-Fi network name to ensure a secure and solid connection from the Display to the network.

2. User must have an **iPhone** or **Android** phone to administer the OTA (Over the Air) update utilizing the **Go Power! Connect App**.

   Enter the Play Store / App Store to download the most up-to-date **Go Power! Connect App** -

   Android Scan Below:

   iOS Scan Below:

3. The PowerTrak™ Display must be connected to a power source that is not dangerously low. Ensure it is connected to a DC Source that will not power off during the update process. Failure to do so will require the user to repeat the steps to allow the update to succeed.

DC Battery Bank must not be less than 25% when updating PowerTrak™ Display. *With all three requirements met; the user may begin to administer the OTA.*

OTA Steps

1. Leave PowerTrak™ Display on the **Main Status Screen**, it will be easier to see the **pair request prompt** prior to connecting to the app.

   If the display is in the **Settings screen**, return to the **Main status screen** by pressing 

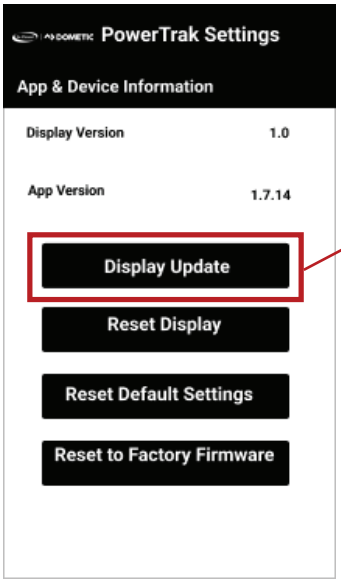
2. Open the **Go Power! Connect App** on user's mobile device to connect to the display. Initially opening the app, the first screen is the **Device Selection** screen.

   If the user has already paired to this Display before, select the PowerTrakTM Display that appears on the Device Selection screen.

   Otherwise, on the Go Power Connect! App and tap the top right plus  icon to go to the **Add Device screen** and pair.

3. After successfully pairing, on the top right area of the App screen, there will be a Setting cog  , tap it to enter the PowerTrak™ Settings screen.

Figure 27



4. Scroll down on the **PowerTrak™ Settings screen** and locate the **Display Update** button at the bottom of the app screen.

   Tap the **Display Update** button to continue.

Figure 28

Figure 29

5. The app may prompt you to confirm you have a 2.4 GHz network available for the display to update (See Update Requirements - Page 23). Press **CONTINUE** and **CONNECT TO WIFI** to proceed.

6. The next screen will list **available Wi-Fi networks** detected by the PowerTrak™ Display.

   Select the **Wi-Fi network** that is setup for the PowerTrak™ Display by pressing the chosen **WI-FI NETWORK NAME.**

Figure 30

7. After selecting the Wi-Fi network, a prompt will appear for the user to enter the **NETWORK PASSWORD**

   Enter the network password

   Press  to view & hide the password to adjust credentials as needed.

   Press **PROVISION/CONNECT** to allow the app & display to check for updates and update as needed.

Note: Failure to write the correct password will cause the display to not check for updates and update properly.

8. If the display is updated to the latest version, the app will display a screen notifying there is no updates required.

   Otherwise, press **UPDATE** and allow the progress bar to reach **100%**.

Note: Please **do not disconnect power from the PowerTrak™ Display**, failure to do so will result the user in repeating the OTA process from the first step.

9. After reaching **100%**, a prompt will appear stating **UPDATE COMPLETE**, press **OK**.

10. The app will return to the **Devices Selection** screen, allow your screen to reset and load, then **re-connect** to your updated PowerTrak™ Display.

11. OTA Process is now **complete**.

OTA Issues	Solutions
Incorrect Wi-Fi Password	Ensure the Wi-Fi password input is correct prior to continuing the update. Reset the display and repeat the OTA steps
Connection Error	Check Network name ensure no special characters such as "? ", $, [, \,],', + and space delimiters" are included. Reset the display and repeat the OTA steps.
Network is not listed on App	2.4 GHz network is not configured, Mobile network or router is only set for 5GHz. Change network to support 2.4 GHz devices to connect.

12 Additional Features

Auto Config

User's that have a set battery type (GP-Shunt / ADV-Lithium Battery) and connected PowerTrak™ chargers will be able to synchronize the charge profile so optimal charging is applied to the battery from their Solar Controllers or Inverter Chargers.

1. Tap the  to enter the **Main Settings** page.
2. Press  to navigate to the **Auto Config Settings** label
3. Press and hold the **Auto Config Settings** label
4. A prompt will appear with the detected battery profile to apply to all connected chargers

   Press **Yes** to apply the profile and sync it with all PowerTrak™ products.
5. Auto Config is now **complete**.

Quick Soft Power Reset

User's that may want to reset their screen quickly can do the following instead of accessing the Reset Settings.

1. On the **Main Status Screen** of the PowerTrak™ Display, locate the  button.

   Press and hold the  button until a prompt appears.
2. The prompt will ask if the user's wants to issue a display soft reset.

   Press **Yes** to reset the display.

Warnings & Faults

If a warning or fault occurs a prompt and button will appear on the **Main Status screen** of the display.

1. Tap the **WARN** to open the fault prompt
2. The prompt will provide the error code and a brief description of the issue
3. If the prompt disappears, this indicates that the error code has disappeared from the unit

13 Cleaning

WARNING! Electrocution hazard
Shut off the PowerTrakTM Display's power supply before cleaning and maintenance.

NOTICE! Damage Hazard

> Do not use abrasive cleaning agents or hard objects during cleaning as these may damage the device.
> Do not use cleaning agents that contain ammonia or alcohol.
> Never spray or pour liquid directly onto the display or casing.
> Clean the display with a clean and dry microfiber cloth in small circular motions. Slightly moisten the microfiber cloth if necessary.
> Regularly check the RV-C adapter cable to ensure its connection is secure from any insulation faults, breaks or loose connections.

14 Trouble Shooting

Trouble Shooting Issues	Causes	Solution
No devices listed on "Scanning Devices" screen	RV-C Devices are not connected	• Check and ensure all RV-C communication cables are securely fit. • Disconnect and power cycle the RV-C products that aren't shown on the display.
	Loose RV-C Connector Cables	
PowerTrak™ Display is not displayed under the paired devices on the App	BLE is not enabled on the display	• Enter the BLE Settings of the Display and confirm it is enabled. • Re-install the Go Power! Connect App and re-pair the display.
	Display has not been paired to the App yet	
PowerTrak™ Display is frozen / Doesn't Power up	Display power cable is loose or not fully connected	• Unplug the power cable and ensure the connectors/pins are not broken. Confirm voltage is measured on pin 3 & 4 of the adapter cable (meter required). • Wait for 5 seconds and re-plug the power cable back into the Display.
	Firmware is outdated	

15 Disposal

Recycling products with batteries, rechargeable batteries, and light sources: Remove any batteries, rechargeable batteries, and light sources before recycling the product. Return defective or used batteries to your retailer or dispose of them at collection points. Do not dispose of any batteries, rechargeable batteries, and light sources with general household waste. If you wish to finally dispose of the product, ask your local recycling center or specialist dealer for details about how to do this in accordance with the applicable disposal regulations. The product can be disposed free of charge.

Go Power! warrants your product for a pro-rated period of 2 years from the date of shipment from its factory. Please visit our knowledge base online for the prorates. This warranty is valid against defects in materials and workmanship for the 2-year warranty period. It is not valid against defects resulting from, but not limited to:

- Misuse and/or abuse, neglect, or accident
- Exceeding the unit's design limits
- Improper installation, including, but not limited to improper environmental protection and improper hook-up
- Acts of God, including lightning, floods, earthquakes, fire, and high winds
- Damage in handling, including damage encountered during shipment

This warranty shall be considered void if the warranted product is in any way opened or altered. The warranty will be void if any eyelet, rivets, or other fasteners used to seal the unitary is removed or altered, or if the unit's serial number is in anyway removed, altered, replaced, defaced, or rendered illegible.

Repair and Return Information

Visit **www.gopowersolar.com** and check out the online support section for more information.

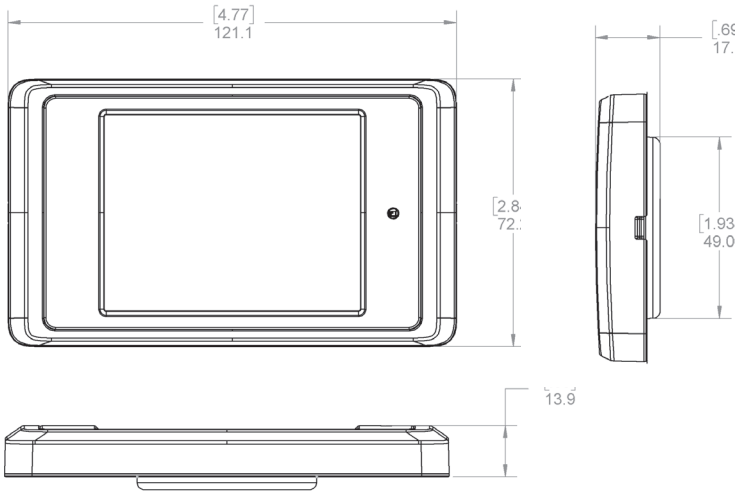
16 Warranty

If the issue persists:

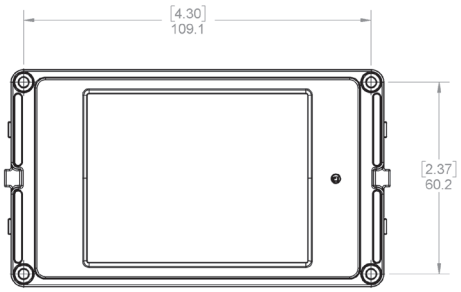
- Use the online "Contact Us" form or live chat
- Send an email to techsupport.gopower@dometic.com
- Return defective product to place of purchase

17 Technical Data

POWERTRAK™ DISPLAY



POWERTRAK™ DISPLAY, COVER REMOVED



Display	Specifictions
Size	3.2 in
Resolution	320 pixels x 240 pixels
Viewing Angle	Short Axis 70 ° / Long Axis 55 °
Touchscreen	Resistive
Electrical	
Supply Voltage	7.5V – 76V
Maximum Supply Current at 12 V	150 mA
Maximum Supply Current at 24 V	80 mA
Mechanical	
Dimensions	2.75in x 4.72in
Environmental	
Operating Temperature Range	-20°C to 50°C (-4°F to 122°F)
Storage Temperature range	-30°C to 70°C (-22°F to 158°F)
Humidity	5% to 95% RH, non-condensing
Communications	
BLE	Up to 50m unobstructed
WLAN Bandwidth	2.4 GHz Only

18 Appendix A

18.1 Mounting Template