

# EnergyTrak 1.6.2.0 Release Notes

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***EnergyTrak 1.6.2.0 is now live!***

## VERSION INFORMATION

<u>Release Date:</u>	March 15, 2023
<u>Gateway Software:</u>	1.6.2.0
<u>Android Mobile App:</u>	1.6.2
<u>iOS Mobile App:</u>	1.6.2
<u>SimpliPHI 6kW Inverter:</u>	3.27/24.12
<u>SimpliPHI 4.9kWh Battery:</u>	1.0.0.7
<u>AmpliPHI Batteries:</u>	6.0.0.7

## NEW FEATURES

### **Noncommunicating Battery Telemetry**

EnergyTrak now officially supports telemetry from the PHI Battery products. Telemetry values will be displayed on the main site dashboard screen and include charge/discharge status, power (W), and voltage (VDC).

## IMPROVEMENTS

### **Parallel Inverter Support**

Improvement to functionality related to installations using two (2) or more SimpliPHI 6kW Inverters.

### **Email Notifications**

The content provided in the email notifications sent to users now includes information on how to change notification settings within the app to control the notifications, as well as some other minor improvements.

### **New Inverter Faults**

EnergyTrak now monitors the SimpliPHI 6kW Inverter for three new fault codes: Device Memory Loss, Bootup Process Failure, and DC Output Short.

## BUG FIXES

### **Battery Charge Performance Bug - FIXED**

Resolved an issue which reduced the charge rate of the SimpliPHI 4.9kWh Batteries (charge rate was reduced from C/2.0 to C/2.5). This caused the batteries to charge at a slightly slower rate. Deployed batteries will receive an over-the-air (OTA) update to fix the bug, and future battery installations will not exhibit this issue.

### **Inoperable Load Output Control - FIXED**

Resolved an issue which caused changes to load output control (enable/disable) from EnergyTrak to not be accepted by the SimpliPHI 6kW Inverter. When a user changed this setting from the app, the setting was often not applied and resulted in no change to the inverter's load output, which was identified as a significant safety concern. This issue was resolved by removing the load output control feature from the EnergyTrak app until it can be effectively reapplied without issue. Load output control will need to be enabled/disabled from the inverter's front panel.

### **Issues with Grid-Tied Zero Export - FIXED**

There were multiple problems with the Grid-Tied Zero Export operating profile which have now been resolved, and the profile can now properly be applied without issue.

## KNOWN BUGS AND ISSUES

### **Irrelevant Warning Status Shown on Off-Grid Profile**

There are several warnings recognized by the SimpliPhi 6kW Inverter when it is operating in the Off-Grid operating profile which trigger a WARNING status for the site in EnergyTrak. However, these warnings are not relevant in an off-grid scenario. The below warnings (and the associated WARNING site status) can be disregarded in such installations until a fix is in place (estimated by March 31, 2023).

- Warning: Grid Voltage Low
- Warning: Grid Frequency Low
- Warning: Grid Input Loss
- Warning: Grid Frequency Loss
- Warning: Grid Input Out of Phase

### **Irrelevant Warning Status Shown on Grid-Tied Solar Profile**

There is one warning recognized by the SimpliPhi 6kW Inverter when it is operating in the Grid-Tied Solar operating profile which triggers a WARNING status for the site in EnergyTrak. However, this warning is not relevant in a Grid-Tied Solar scenario. The below warning (and the

associated WARNING site status) can be disregarded in such installations until a fix is in place (estimated by May 1, 2023).

- Warning: Battery Bank is Approaching Low Battery Cut Out Voltage

## **Inoperable Generator Control**

Enabling and disabling generator functionality from the EnergyTrak app does not always apply the correct settings within EnergyTrak. Refer to the SimpliPHI 6kW Inverter Installation Manual to help confirm and apply the correct generator settings from the front panel of the inverter.

## **Gateway Power Supply in Zero-Battery Installations**

When installing a system without batteries (using the Grid-Tied Solar operating profile), the installer will need to provide an alternate power source to the gateway, as the inverter will not supply power from the battery port connection (as intended in an installation with batteries). An example is to provide an AC-DC power supply from the main electrical panel to the gateway power supply (requires 18-75 VDC input), but the installer should adapt their installation based on the situation and application. The EnergyTrak Install and User Manual will be updated to illustrate how the gateway should be installed in this scenario.

## **No Support for Single-Battery Installations**

Briggs & Stratton does not officially support installations with only a single battery. If battery storage is required for a specific application, a minimum of two batteries must be installed. Failing to adhere to this requirement can result in critical, unwarrantable failures of the SimpliPhi 6kW Inverter, SimpliPhi and AmpliPhi Batteries, and/or the EnergyTrak Gateway.

## **Adding or Swapping Equipment**

In the event an additional inverter or communicating battery (SimpliPHI or AmpliPHI Battery) is added to an installation which has already been commissioned with EnergyTrak, or if an existing inverter or communicating battery are replaced with a new unit, the site must first be deleted from EnergyTrak (must be completed by contacting Briggs & Stratton Technical Support) and the system must then be commissioned again to a new site. Contact information for B&S Technical Support can be found in the EnergyTrak app.