

# EnergyTrak 1.6.1.0 Release Notes

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***EnergyTrak 1.6.1.0 is now live!***

## VERSION INFORMATION

Release Date: January 16, 2023  
Gateway Software: 1.6.1.0  
Android Mobile App: 1.6.1 (276)  
iOS Mobile App: 1.6.1 (276)

## IMPROVEMENTS

### **WiFi Connection Setup**

WiFi network connection setup will be moved to the beginning of the commissioning flow, which allows the system to establish an Internet connection prior to beginning SimpliPHI ESS commissioning.

### **Gateway Equipment Details**

The gateway is now shown on the Equipment Details screen during the commissioning process, along with its version and update status. Combined with the improvement to WiFi Connection Setup, this allows the gateway to update prior to commissioning a newly installed system.

## BUG FIXES

### **Zero Battery Commissioning Block - FIXED**

Resolved an issue where users were not able to use EnergyTrak to commission installations that do not include at least one (1) SimpliPHI™ 4.9kWh Battery or one (1) AmpliPHI 3.8™ Battery. Users are now able to commission systems with zero batteries, or systems using PHI batteries.

### **Time-of-Use Power Feed - FIXED**

Resolved an issue which by default disabled the power feed to the grid after commissioning a site with the Grid-Tied Backup with TOU (time-of-use) operating profile. Power feed to grid is now enabled by default.

# KNOWN BUGS AND ISSUES

## **Battery Charge Performance Drop**

There is a bug which reduces the charge rate of the SimpliPHI 4.9kWh Batteries (charge rate has been reduced from C/2.0 to C/2.5). This causes the batteries to charge at a slightly slower rate. This issue will be resolved in all systems through an over-the-air bug fix (expected by February 28, 2023).

## **Solar and Grid Distribution Priority – Grid-Tied Zero Export**

When using the Grid-Tied Zero Export operating profile, there is a bug which causes solar power distribution to prioritize charging the battery bank before supporting loads; however, the solar distribution priority should first support loads and then charge the battery bank with any excess power. The profile will also prioritize grid power over battery power to support loads whether solar is available or unavailable.

**As a temporary workaround** to these issues, users can instead select the Off-Grid grid profile, which produces a majority of the intended operation of Grid-Tied Zero Export, including the ability to import grid power (if it is present) to support loads. However, the grid input will not support charging the battery bank as it would in Grid-Tied Zero Export. Additionally, the grid telemetry in the EnergyTrak app will not be displayed when using the Off-Grid profile.

## **No Battery Telemetry – Noncommunicating Batteries**

EnergyTrak officially supports the AmpliPHI and SimpliPHI batteries, and these are the only batteries which the platform will detect and display telemetry for within the app. When using PHI batteries (noncommunicating), EnergyTrak will not detect the batteries and will not show any battery telemetry. Telemetry will need to be monitored from the inverter's front panel until a solution is in place.

## **Gateway Power Supply – Zero Battery Installations**

When installing a system without batteries, 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 critical loads panel to the gateway power supply (requires 18-75 VDC input), but the installer should adapt their installation based on the situation and application.