



Announcement on Optimizer Compatibility with EcoFlow PowerOcean

Dear valued users,

This announcement serves to inform all users of the compatibility between EcoFlow PowerOcean Three-phase Home Solar Battery Solution EF HD-P3-10K-S1 (hereinafter “PowerOcean” or “PowerOcean System”) and Tigo's solar panel optimizers TS4-A-O (hereinafter “Tigo TS4-A-O optimizer” or “Tigo TS4-A-O”), following testing conducted by our laboratory. Our findings indicate that PowerOcean System is compatible with Tigo TS4-A-O optimizer, ensuring operation when integrated with photovoltaic modules.

However, It is essential for users to adhere strictly to the specified configuration in the Experimentation as well as the following guidelines (See below) to ensure optimal compatibility and performance between PowerOcean and Tigo TS4-A-O optimizer.

NOT OBSERVING THESE SPECIFICATIONS COULD LEAD TO REDUCED EFFICIENCY, OPERATIONAL CHALLENGES, OR EVEN HARM TO THE SYSTEM, FOR WHICH ECOFLOW WILL NOT BE HELD ACCOUNTABLE.

Ensure the correct optimizer and the correct version of firmware and/or software is utilized: It is imperative that the correct version of Tigo TS4-A-O optimizer is utilized as the designated integrating optimizer for your PowerOcean system. At present, compatibility with optimizers of any other type is not recognized or permitted, although we are actively working to expand the range of brands and types of devices that are compatible.

Inspection of integration Environment: Before you embark on integrating Tigo TS4-A-O on the EcoFlow PowerOcean, it is essential to perform a detailed inspection of the integration environment. Verify that the location and position adhere to all necessary electrical and battery safety standards to guarantee a secure setup.

Examination of Existing PowerOcean Systems and the version of firmare and/or software: Prior to integrating the Tigo TS4-A-O with your existing PowerOcean System, please thoroughly evaluate your existing PowerOcean System. If needed, engage experts to perform all required inspections and evaluations, guaranteeing the System's compatibility and safety.

- Experimentation:

Through experimentation, it has been determined that a configuration consisting of a single PV input connected to a string of 15 series-connected 400W photovoltaic modules (**EF-SG-M400-04**), each equipped with an individual Tigo TS4-A-O optimizer, operates optimally without any shading issues. The Tigo TS4-A-O optimizer, with a maximum output current specification of 15A, enable the PV array to achieve an actual maximum power output exceeding 5KW. This setup has been tested under normal grid operation conditions for approximately two weeks, demonstrating stability and operating performance.