



# Aes lifepo4 manual

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This Application Note provides information about the integration of Discover AES LiFePO<sub>4</sub> batteries with Xanbus enabled Schneider Electric components. AUDIENCE, WARNINGS, MESSAGES, GENERAL SAFETY, PERSONAL PROTECTIVE EQUIPMENT

1. Audience Configuration, installation, service, and operating tasks should only be performed by qualified personnel in consultation with local authorities having jurisdiction and authorized dealers. Qualified personnel should have training, knowledge, and experience in the:

This Application Note provides information about the integration of Discover AES LiFePO<sub>4</sub> batteries with Xanbus enabled Schneider Electric components. Before installation and configuration, consult the relevant product documentation, including Manuals, Application Notes, and Installation and Configuration Guides. Read Schneider Electric manuals for guidance on product features, functions, parameters and how to use the product safely. Visit <https://discoverenergy.com/documentation> for the most recent version of published documents.

Item Description

- 1 COM1 AEBus - Interface to connect to AEBus enabled devices
- 2 COM2 Xanbus - Interface to connect to Xanbus enabled devices
- 3 USB - interface for PC connectivity (AES Dashboard)
- 4 On-Off - When battery is enabled blue power light will be illuminated
- 5 Battery Positive (+) (red) - DC terminal connects to the positive DC bus
- 6 Battery Negative (-) (black) - DC terminal connects to the negative DC bus

The following settings must be programmed using the Insight Home/Facility Gateway with InsightLocal software to operate the Xanbus enabled power conversion device in a closed-loop configuration with Discover Lithium batteries. Most of the Battery and Charger Settings cannot be changed by the user and will be automatically overwritten if they are changed. These settings are referred to as Fixed and Dynamic settings. Some settings are User Adjustable and help manage the system's performance to match user preferences. The following menu items may not be the same as the settings for your power conversion device. Use these settings at your discretion.

The following settings must be programmed using InsightLocal to configure the Inverter/Charger to operate in a closed-loop configuration with Discover Lithium batteries over Xanbus. Most of the Battery Settings cannot be changed by the user and will be automatically overwritten if they are changed. However, the entire system will operate optimally if the battery state-of-charge is utilized as the driving value rather than voltage, especially if the Grid Support function is enabled.

Minimum Inverter/Charger Setup Required Using InsightLocal

The following settings must be programmed using InsightLocal to configure the MPPT Solar Charger Controller to operate in a closed-loop configuration with Discover Lithium batteries over Xanbus. Most of the Battery Settings cannot be changed by the user and will be automatically overwritten if they are changed.



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However, the entire system will operate optimally if the battery state-of-charge is utilized as the driving value rather than voltage, especially if the Grid Support function is enabled. Minimum MPPT Setup Required Using InsightLocal

AerialWorkPlatform: on" style="" class="common\_selector AerialWorkPlatform Applications " /> Aerial Work Platform (3) Floor Care (5) Material Handling (4)

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