

Enphase IQ Battery 5P – UK Tips & Tricks

Retrofitting IQ Battery 5P to an existing string inverter

Adding an the IQ Battery 5P storage solution alongside an existing string inverter is a simple and valuable process. This document highlights the process and materials required to achieve this.

Retrofitting the Enphase IQ Battery 5P to the system owner’s solar PV installation, provides an effective and modular storage solution. The battery has a usable energy capacity of 5.0 kWh and is able to provide a rated output of 3.2 kVA. Once commissioned, the system owner will be able to view both battery and system level data all within the Enlighten App.

Enphase Materials required:

1. **IQ Battery 5P**
2. **IQ Gateway Metered (with CTs)**
3. **Communication Kit 2**
4. **Control cable ([BELCOM 4302P2254-01 22AWG 2P 430 SERIES](#))**

Installation:

1. The existing string inverter installation should remain as-is. No modifications are required to the PV installation.
2. When installing the IQ Gateway Metered for the IQ Battery system, the production CT is fitted to the line conductor of the AC cable from the string inverter circuit(s) and the consumption CT is fitted, as normal at the meter tails.
3. Using the Enphase Installer App, create a new Enlighten site for the IQ Gateway Metered and IQ Batteries.
4. Register the new site using a memorable site name.
5. When defining the ‘Devices and Array’ for the new IQ Battery site, and there are no microinverters in the system, select the option for ‘Third Party PV Inverter’. This is important because only measurements from the CTs are being used to control the IQ Battery behaviour.
6. Once fully activated, the system owner will be able to see battery and system level data (incorporating PV production data from the string inverter) within the Enlighten App.



NOTE: For more information and a step by step guide on the installation of the IQ Battery 5P, see the [Enphase IQ Battery 5P Quick Install Guide](#).