

## Enphase IQ Battery 5P – UK Tips & Tricks

### Retrofitting IQ Battery 5P to IQ-Series Microinverters

Adding the IQ Battery 5P storage solution alongside existing IQ-Series Microinverters is a simple and valuable process. The IQ Battery can be installed at the same time as the IQ-Series Microinverters, this document however highlights the process and materials required to retrofit an IQ Battery to an existing IQ-Series Microinverter site.

Retrofitting the Enphase IQ Battery 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 benefit from an all-in-one solution, where the battery and module level data are reported to Enlighten for the system owner.

Enphase Materials required:

1. **IQ Battery 5P**
2. **IQ Gateway Metered (with CTs)** – Used for both IQ Battery and IQ-Series Microinverter management.
3. **Communication Kit 2**
4. **Control Cable** ([BELCOM 4302P2254-01 22AWG 2P 430 SERIES](#))



**NOTE:** If a site has both IQ7 and IQ8 Series Microinverters installed together, it will require **TWO** IQ Gateways. An IQ Gateway Standard is satisfactory for the IQ7s, however an IQ Gateway Metered with CTs is required for the IQ Battery and IQ8s.

Installation:

1. As per the note above, there may be a requirement to install either a separate IQ Gateway Metered or upgrade the existing IQ Gateway Standard.
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 microinverter circuit(s) and the consumption CT is fitted, as normal at the meter tails.
3. Using the Enphase Installer App, edit the existing Enlighten site where the battery will be added. At the 'Devices and Array' step, it is possible to 'Edit Device Count', where the IQ Battery can be added to the site.
4. Once fully activated, the system owner will have a complete site overview with both battery data and module level information 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](#).