



Making a positive difference
for energy consumers

Innovation Measure Number: "036"

Innovation measure type

Solar PV

Date application approved

01/04/2025

Number for notification

036

Innovation measure type/uplift

Substantial innovation measure/45%

Awarded supplier uplift

E.ON

Characteristics of innovation measure

The system consists of MCS certified monocrystalline PV modules, with optimiser units. The optimised panel offers an increase in electricity production, by allowing generation to continue if part of the string or array is shaded, or develops a fault. Systems can be installed using multiple roof angles and orientations. The addition of the optimiser allows PV installations in properties that may previously have been unsuitable due to shading.

The optimiser puts the panel into protection mode when it identifies a short circuit fault. The PV Off feature disconnects the DC power at the panel level in the event of a power cut, or when AC power is switched off in the home, decreasing the risk of DC electrocution. Connectivity of the system via the Cloud Connect unit provides occupant(s) or landlord(s) with remote system monitoring. Notifications will be sent to users when a system fault is detected. The system has a 25-year manufacturer's warranty.

These features increase output, durability, and safety.

Product(s) meeting the description

InstaGen Solar PV MCS certified monocrystalline solar panels with Tigo optimisers and CCA/TAP modules specified.

Date product approved under IM: 01/04/2025

Suppliers are required to retain evidence that demonstrates this IM has been installed, such as:

Evidence to be held by Suppliers that IM installed

The product installed is InstaGen Solar PV with Tigo optimisers and CCA/TAP modules.

Evidence type:

1. Product/system warranty reflecting ECO household address to which measure delivered.
2. Documentation reflecting the capacity of solar and the underlying assessment, measured in kWp for ECO household to which delivered.
3. Pre, mid and post installation photographs of the product installed in the ECO household, all photographs to include the optimiser with panels.
4. MCS certification for ECO household connected to the solar PV array.
5. A data plan has been provided to households without Wi-Fi at no cost to the homeowner for a minimum of 10 years.
6. A manufacturer warranty has been registered for the Solar PV array, covering at least a 25-year period. The warranty must make clear that the entire system is warrantied, including connections between individual components, and provide clear contact details for the end-user to contact if necessary.
7. The additional CCA/TAP modules are included at no cost to the end-user, demonstrated through photographic evidence including the hologram sticker.

8. A label is placed on all devices which clearly describes the free services available to the end-user and how to utilise these services.
9. A guide is included within the handover notes for the system, to ensure householder can connect to and use the monitoring system provided by the CCA.
10. Screenshot of the Tigo energy monitoring portal, showing CCA/TAP set up has been completed, including green rectangles signifying the successful installation of the optimiser.
11. Screenshot of registration on the InstaGen portal, demonstrating that optimisers and panels are installed, connected to the internet and CCA/TAP device is setup and configured.

Limitations/ Applicability of IM

The installer should ensure Wi-Fi is present at the household, providing a data plan where required, to ensure the benefits of the Cloud Connect unit can be accessed by householders.