

# Monitoring Comparison

	Elios4you	GEO	Wattsons	OWL	Eco-Eye	Rbee Solar
Works with Any Existing Meters	✓	✗	✓	✓	✓	✗
Wi-Fi Enabled	✓	✓	✗	✗	✗	✗
Bi-directional CT for Grid Monitoring	✓	✗	✗	✗	✓	✗
Self-Consumption Reporting	✓	✓	✗	✗	✗	✗
Subscription Free Smart App	✓	✗	✗	✓	✗	✗
Installer Dashboard Access	✓	✗	✗	✗	✗	✓
Auto-Load Switching with Thresholds (On-Board Relay)	✓	✗	✗	✗	✗	✗
Remote Load Management	✓	✗	✗	✗	✗	✗
Integrated Proportional Controller - Immersion	✓	✗	✓	✗	✗	✗
PV Yield Alarm Notifications	✓	✗	✗	✗	✗	✓
Digital Inputs for Alarm Notifications	✓	✗	✗	✗	✗	✗
Energy Consumption Targets	✓	✓	✗	✗	✗	✗

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## Elios4you Key Features

- Elios4you kit is a **wireless solution** that can be retro-fitted to any PV install, regardless of existing equipment installed
  - Without the need to change Generation Meter / Inverter – **completely universal**
- Typically installation can be completed **within an hour\***
- Communicates using **Wi-Fi** and industry standard **ZigBee Protocol**, designed for these types of applications.
- Based on intelligence the app provides clear reporting of energy Generated / Consumed / Purchased and Sold from the grid – **monitored on a continuous basis (every 5 seconds)**
  - This alone enables a **10 – 15% saving in energy usage** – the ability to visually monitor consumption (at **billing accuracy**), enables the end-client to lean towards energy efficient behaviour before introducing intelligent wireless controllers – given hints and indications of **self-consumption**
- Intelligent reporting **based on purchasing tariff** (e.g. Economy 7)
- Features a number of screens providing **full reporting** of daily / monthly / total summaries – storing data for up to **20 years** on the Elios4you tablet\*\*
  - With the added ability to **export data** to your PC in a raw format for back-up / storage.
- Ability to configure **alarm notifications** to signal if there is a problem with PV generation – Ensures the PV systems continues to deliver a return on investment.
  - Via digital output, connected to the **inverter** and/or **solar PV breaker**.
    - Ability to push this information to an installer level dashboard view for **remote maintenance**
- Using on-board relay, users can define thresholds to enable surplus generation to be **diverted to a key circuit appliance (e.g. battery bank)** – highly configurable to meet household requirements.
  - Taking into account the **base load** of the property.
- Ability to scale this with **Power Reducer & Elios4you SMART**.
- Elios4you is capable of being configured to provide multi-user level **remote monitoring** using the **4-Cloud Installer PV Dashboard**
  - Ability to upgrade at any time to a **multi-user level dashboard view** – provide remote maintenance services to clients
  - Installers can **amalgamate all installations into one dashboard view** – holistic reporting features, data comparisons, alarm notifications for **concise real-time management**
- Elios4you has been optimised for the UK market having been implemented widely around Europe.