

# Barton Road

Canterbury, Kent

A photo-voltaic system using high efficiency modules in order to maximise the generating capacity of our client's roof space.

## TECHNOLOGY:

Photovoltaic modules (PV)

- 11x JA Solar 290W Mono
- 1x Solis 3kW inverter
- Remote monitoring system

## SYSTEM PEAK PERFORMANCE:

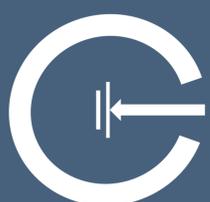
- Electrical 3.2kWp

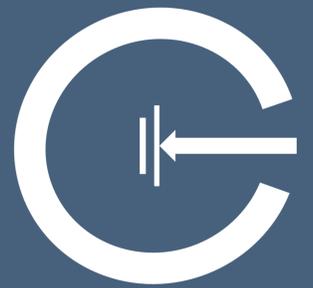
## SYSTEM ANNUAL PERFORMANCE:

- Electrical 2744kWh
- Displaced Co2 1816 Kg

## FINANCIAL BENEFITS:

Energy saving costs yr1	£331
System payback	6.2 yrs
Return on investment	16.2%





Convert Energy Ltd

## System overview:

11 x JA Solar 290W Mono Photovoltaic modules in two strings feeding a Solis 3kw inverter.

Inverter and system set up for wireless monitoring and future battery integration.

## Performance vs Space

Our client wanted to reduce her electricity bills but wasn't sure if there was enough roof space to generate any significant contribution.

By using a high efficiency module, almost all the building electrical base load could be covered. A smart controller and inverter with wireless monitoring was also installed enabling our client to log in and monitor system performance remotely.

The system was installed with the capability to integrate a hybrid battery system in the future. Monitoring software will provide enough data to establish how much energy is being generated over and above the house base load demand. In the future any excess energy can be directed to a battery system for later use.

Energy saving costs yr1

-

£331

System payback

-

6.2 yrs

Return on investment (ROI)

-

16.2%

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