

CASE STUDY

Maximizing 50kW Commercial Installations Exeter, United Kingdom

OVERVIEW

Installation Date: 1.12.2011

Location:

Exeter, United Kingdom

Installed Capacity: 50kW

Modules: 196 x Siliken 255Wp

Power optimizers: 196 x 250-AOB

Inverters:

5 x SolarEdge SE10000

Installer: SunGift Solar

SunGift Solar, award winning installer and partner of SolarEdge Technologies, installed a 50kWp Solar PV system split over two roofs at Woodbury Business Park. Mr. House, the owner of the site, runs a successful storage business and sublets three other large industrial units to local businesses. Aware of the rising energy costs, the system has provided the owner with a sustainable solution to reduce both his own energy bills as well as to offer his tenants cheaper electricity rates.

To offer Mr. House maximum energy output and best possible service, SunGift Solar used SolarEdge power optimizers and inverters for the installation.

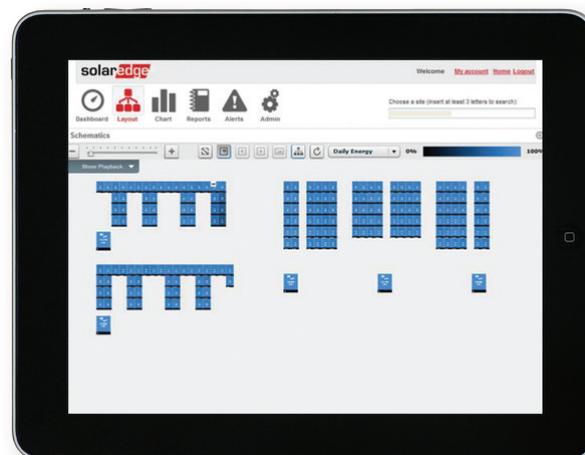
First, power optimizers remove module-mismatch as a challenge. Therefore, SunGift Solar were able to install modules at different orientations or tilts or in partially shaded areas is possible without risking disproportionate energy losses resulting from module-mismatch. In addition, the flexible installation design helped SunGift to keep balance of system costs minimal and roof utilization optimal.

Finally, SolarEdge power optimizers also monitor each individual module. A virtual site map on the SolarEdge monitoring portal allows for pinpointing individual modules and the portal provides immediate alerts on any irregularities. In commercial size installations such as this one, module-level monitoring can significantly reduce the time it takes to maintain the site and increase system uptime; Woodbury Business Park and their tenants benefit from proactive customer service.

“The SolarEdge system gives us the peace of mind we need in order to ensure that our customer is reaping all the benefits of their PV installation.” said Gabriel Wondrausch, Managing Director of SunGift Solar.



No energy losses occurring from partial shading. Installation in partially shaded area increases roof utilization



The performance and location of every individual module is presented online on the virtual site map of the SolarEdge monitoring portal