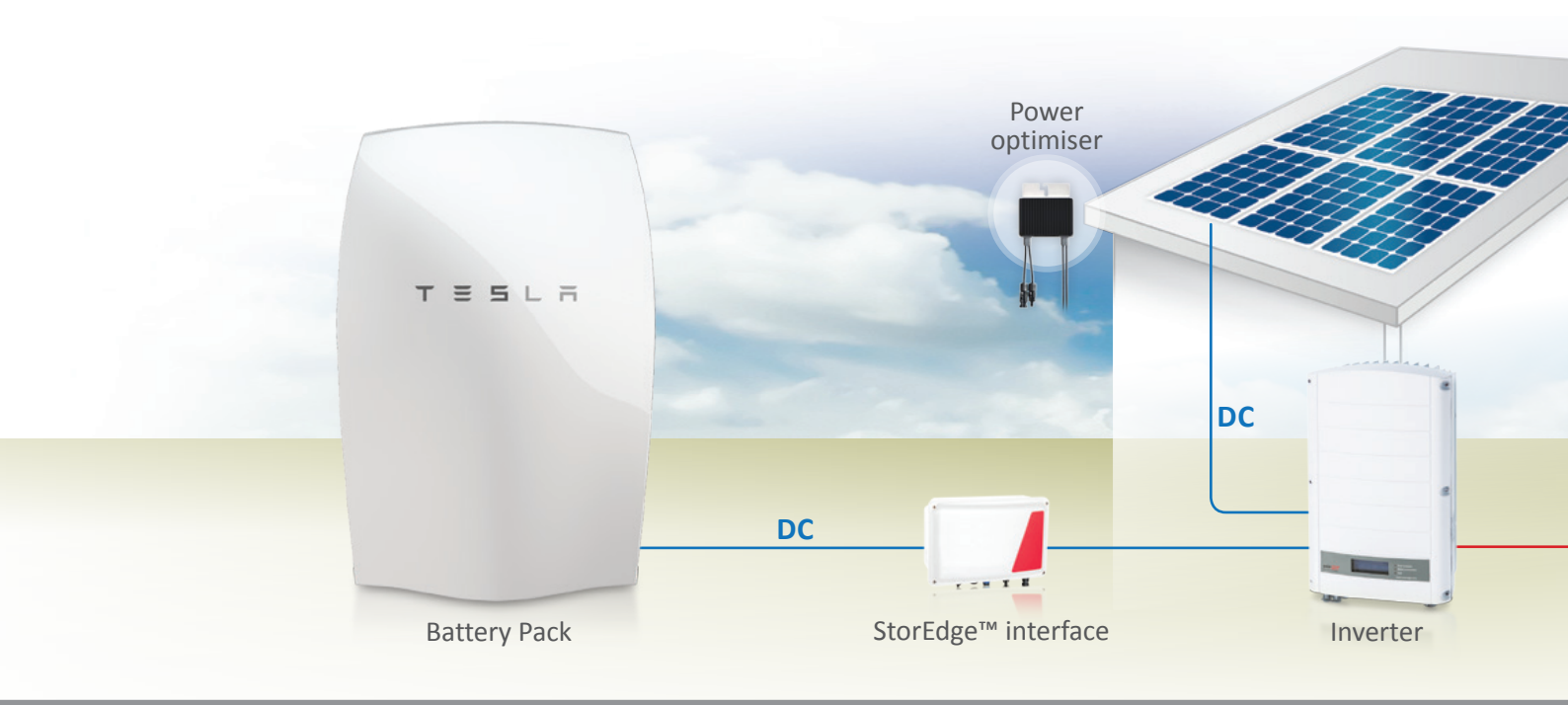
Maximise Your Savings

SolarEdge provides a set of solutions to reduce electricity bills by maximising self-consumption from your PV system.
Store unused PV power in a battery or by heating water, to be utilised when needed



Maximise your investment with SolarEdge

- Put more panels on the roof for maximum roof utilisation
- Get maximum power out of each panel. With SolarEdge power optimisers, the weakest panel does not affect other panels so does not lead to energy losses
- Add battery storage or immersion heater control to increase self-consumption and minimize electricity bills

StorEdge™ - battery storage

A typical UK home with a 4kW PV system, before and after upgrade to battery storage**

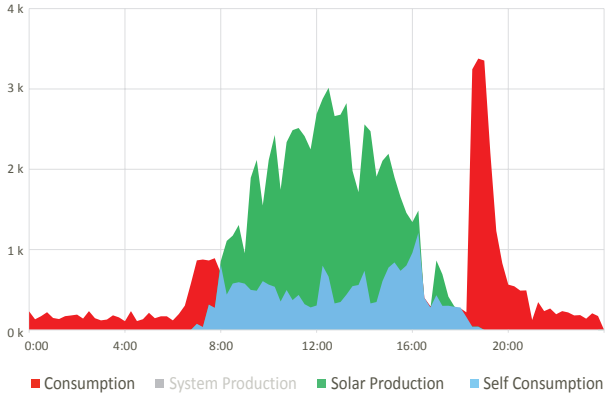
4kW System
before battery installation

Total produced energy	Total consumed energy	Self-consumed energy	Total purchased energy	Electricity bill saving
18.19 kWh	12.15 kWh	5.63kWh	6.52 kWh	46%

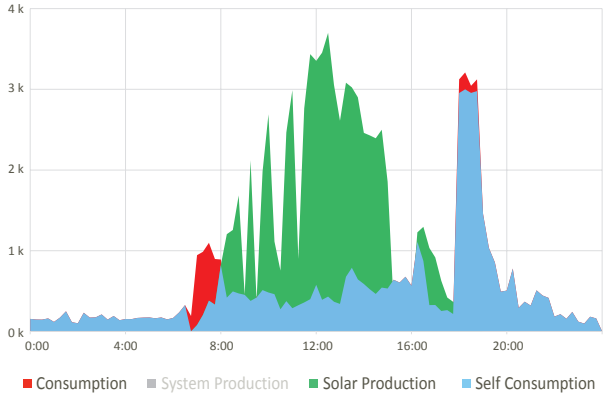
4kW System
after battery installation

Total produced energy	Total consumed energy	Self-consumed energy	Total purchased energy	Electricity bill saving
18.26 kWh	12.40 kWh	11.41kWh	0.99 kWh	92%

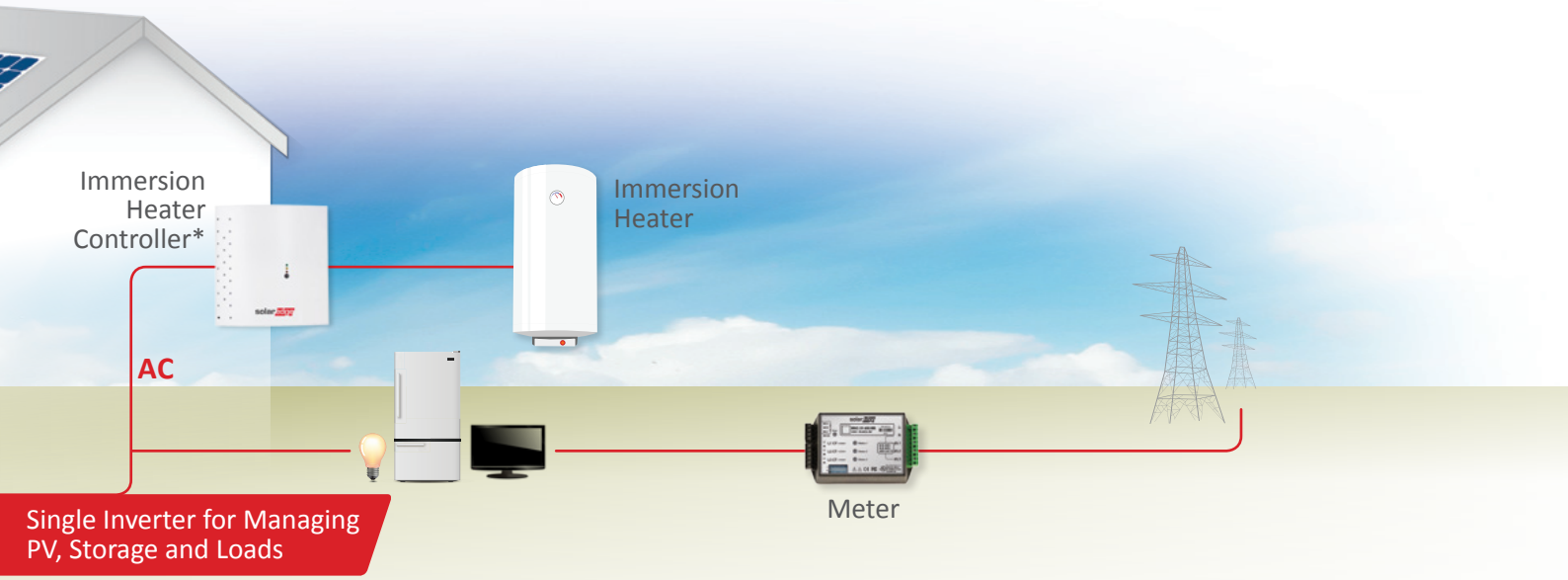
Before Battery



After Battery



** All images and data used above are for illustrative purposes only. Data is Based on average performance of over 800 UK 4kWp systems in April 2015 and assuming annual household electricity consumption of 4,000kWh (according to the DECC)



PV and self-consumption solutions:

- Monitor the PV production of each panel as well as the house consumption and self-consumption to minimise grid consumption
- Protect assets and people through the safety mechanism which is designed to shut down high DC voltage during installation, maintenance and emergency situations

Immersion Heater Control

A typical UK home with a 4kW PV system and immersion heater, before and after installation of the SolarEdge immersion heater controller*

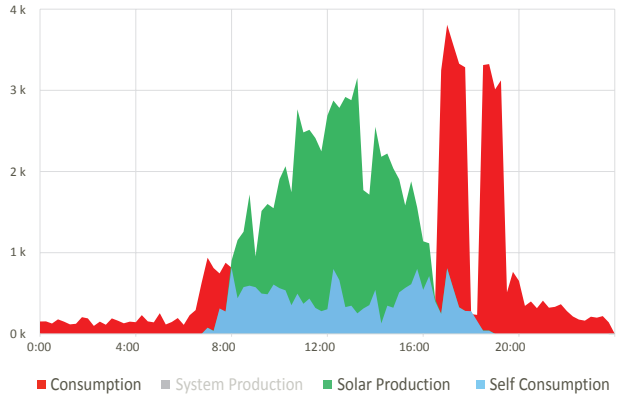
4kW System
before Immersion Heater Controller installation

Total produced energy	Total consumed energy	Self-consumed energy	Total purchased energy	Electricity bill saving
17.90 kWh	15.37 kWh	5.07kWh	10.30 kWh	33%

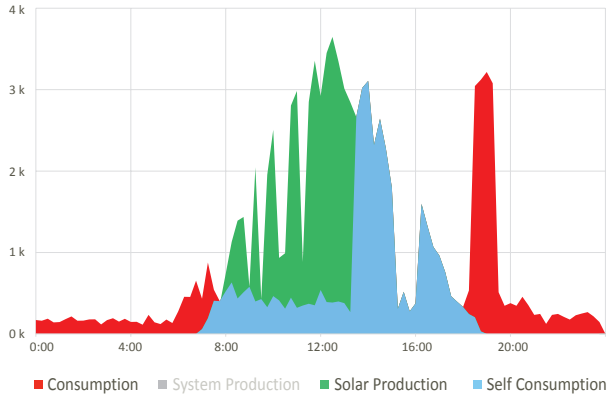
4kW System
after Immersion Heater Controller installation

Total produced energy	Total consumed energy	Self-consumed energy	Total purchased energy	Electricity bill saving
18.48 kWh	15.27 kWh	9.24kWh	6.03 kWh	61%

Before Immersion Heater Controller Installation



After Immersion Heater Controller Installation



* Available H2/2016; Reduces electricity (or gas) consumption for water heating

Maximise Your Savings

HIGH VISIBILITY ON SYSTEM PERFORMANCE

The SolarEdge cloud-based monitoring platform allows you to always be in control of your system performance. It provides high resolution insight into PV production and household electricity consumption, displaying the power flow between the PV array, storage (hot water or battery), grid and house loads as well as tracking real-time system data.