

Energy Show Presentation

Alan Ferdman June 2024

Our Solar PV system

Overview/Summary

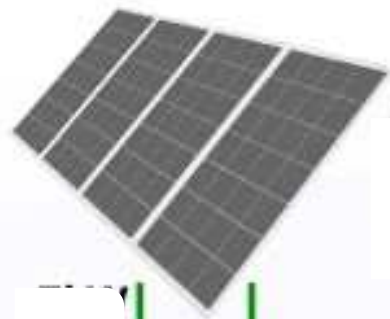
- ▶ A summary of our journey that leads to us installing Solar PV here in our home.
- ▶ We've recently looked at some energy saving options like major insulation in the roof and walls but these projects look too expensive/complex for us today.
- ▶ If we were to install a Solar PV system can we cut costs and CO2 emissions?
- ▶ We could obtain free electricity for say 6-8 months of the year.
- ▶ We can also heat our water and thus reduce our gas bill
- ▶ Worth a look !

So I got some quotes and chatted...

- ▶ A few local people (to us have solar PV installations)
- ▶ I used the Which and Checkatrade list
- ▶ Spoke first and got some quotes, mostly done without a visit !
- ▶ Goal to get as much possible energy off our 'not so great roof'
- ▶ We wanted a battery as their affordable now.
- ▶ A battery enables captured playback of stored energy in summer and facility to capture low cost night rates from the grid in winter.
- ▶ We added electric water heating as a last minute feature by incorporating a Solar Divertor.

Considerations

- ▶ Suitability of roof , direction , obstructions, roof tiles
- ▶ Our roof area although large isn't particularly ideal due to a dormer , plus slate..
- ▶ Batteries need to be stored ideally outside of the main household say in a shed/garage. There's new legislation/guidance in place now for this. PAS 63100:2024
- ▶ All subject to survey by your intended installer
- ▶ This is not a complete list.. But a guide



12 X 440W panels ~ 5KWp

k

Typically there would be a Invertor (or two) here but we've gone for built (into each panel) Micro Invertors

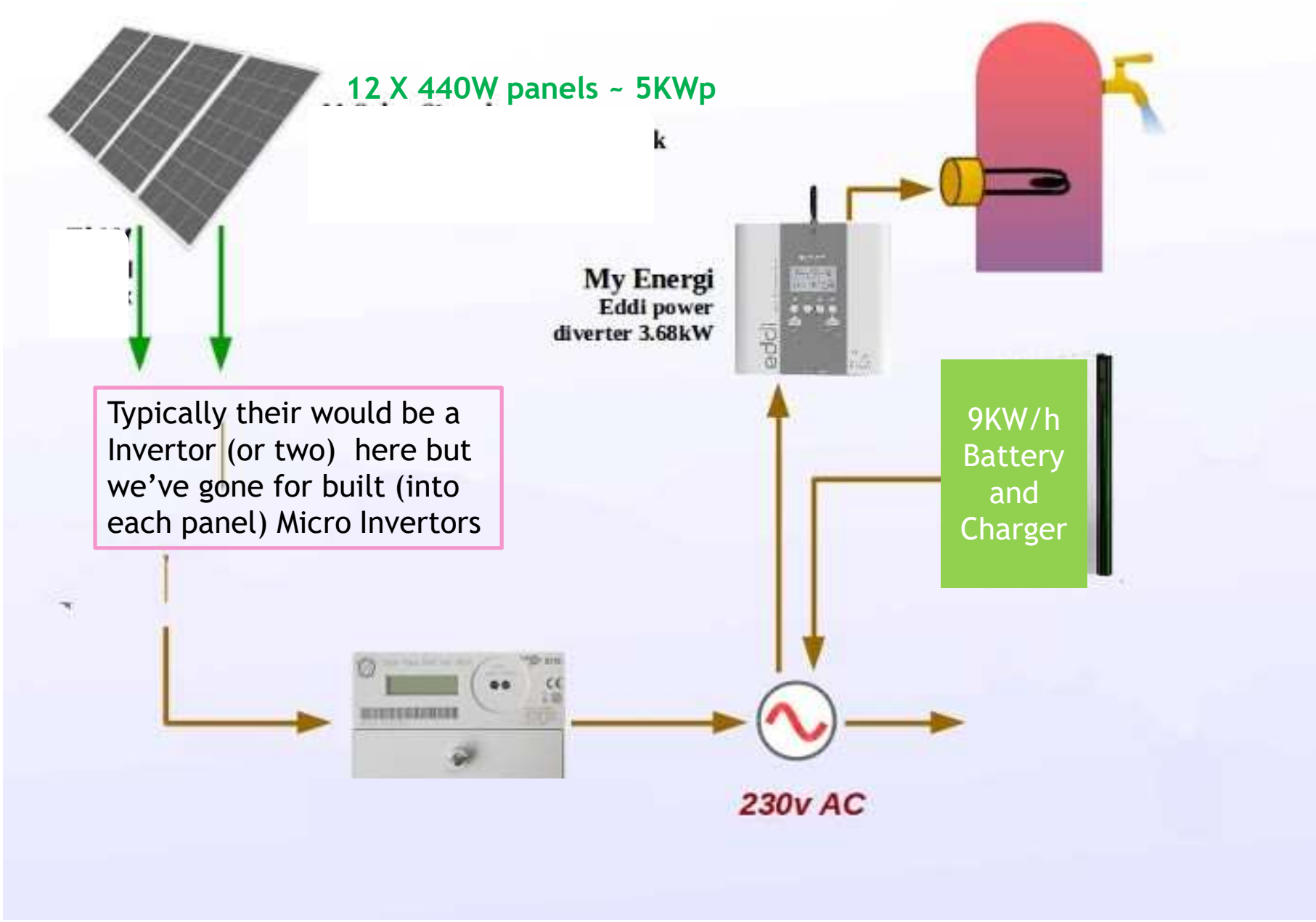
My Energi
Eddi power
diverter 3.68kW

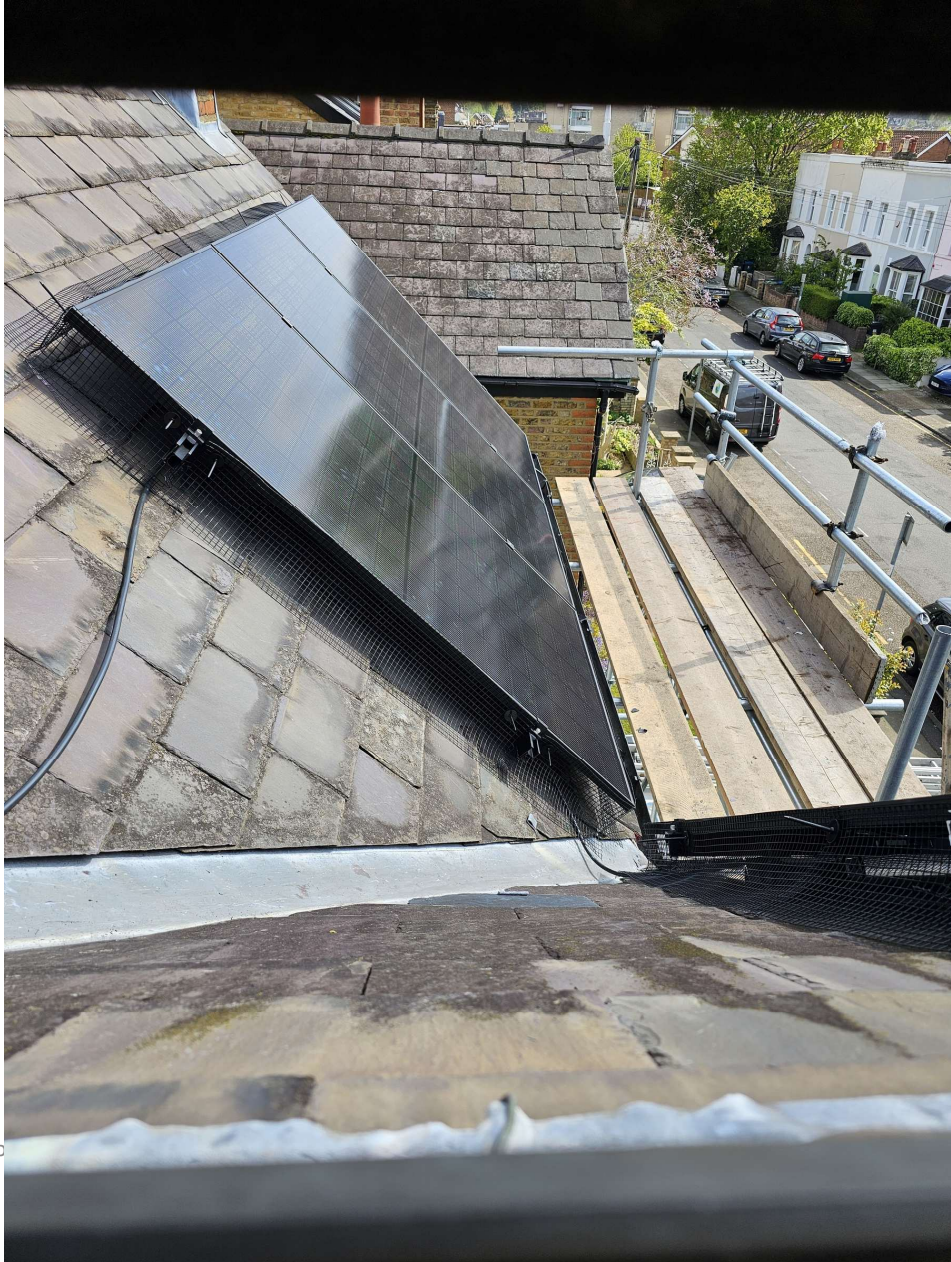


9KW/h
Battery
and
Charger

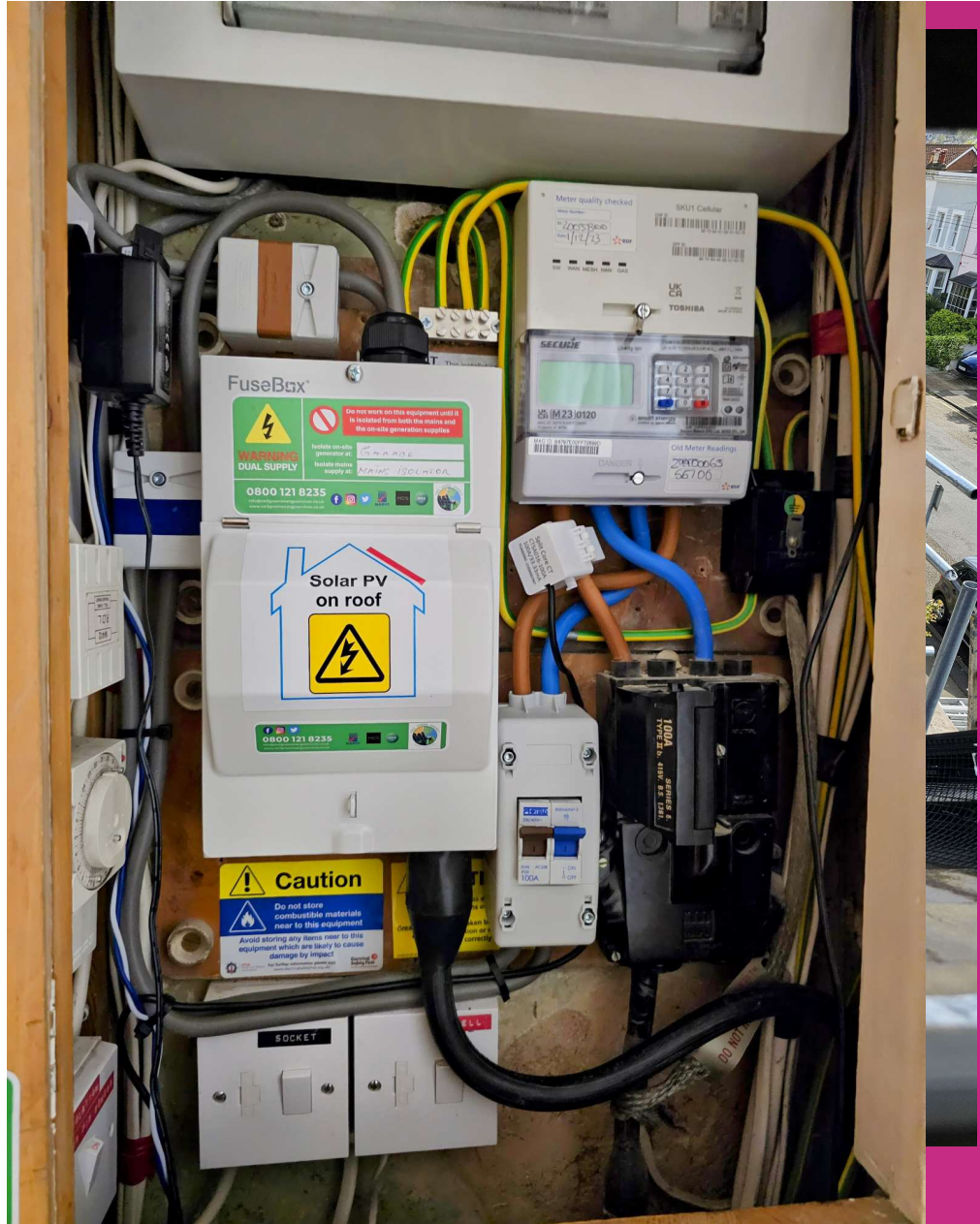


230v AC





Cop



Copy

Any Questions please

Alan Ferdman

alan@amferdman.co.uk