

Solar

Battery storage

EV Charging

Zoe Watts & Steve Rushton – The Energy Box



# Solar

- How and when it works
- Environmental Benefits
- Financial Benefits





# Battery storage

- Why
- Cost versus benefits
- Examples of how to achieve best results



# Real world Whittington examples

- Example 1 – east – west facing garage 5kw system

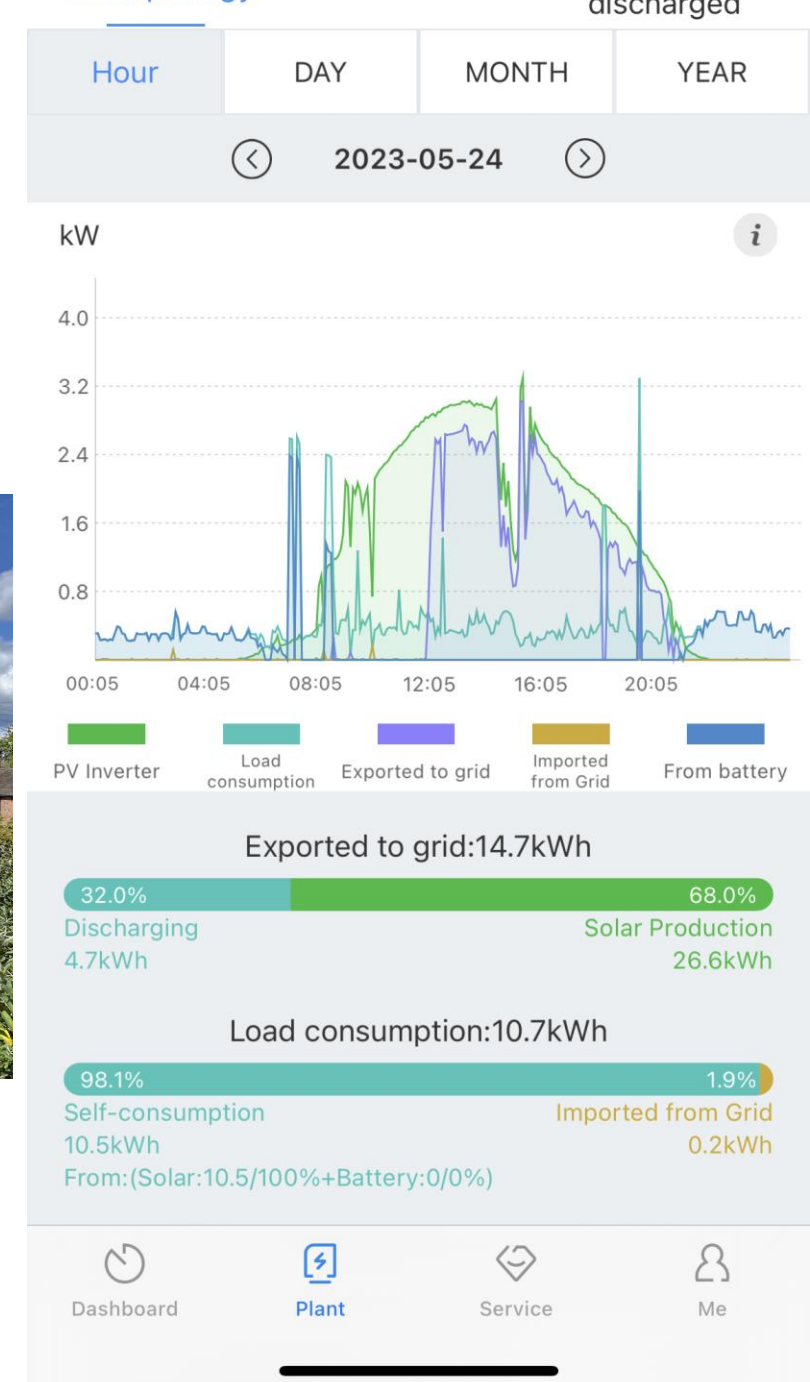
Usage in May 579kwh – 18.6 per day

Generated 532kwh – 17.2 per day

Self-consumption 73%

Imported from grid 27%

(Balance exported to grid)





# Real world Whittington examples

- Example 2 – South facing 6.5kw system

Usage in May 599kwh – 19.3 per day

Generated 701kwh – 22.6 per day

Self-consumption 67%

Imported from grid 33%

(Almost 300kw exported to grid)

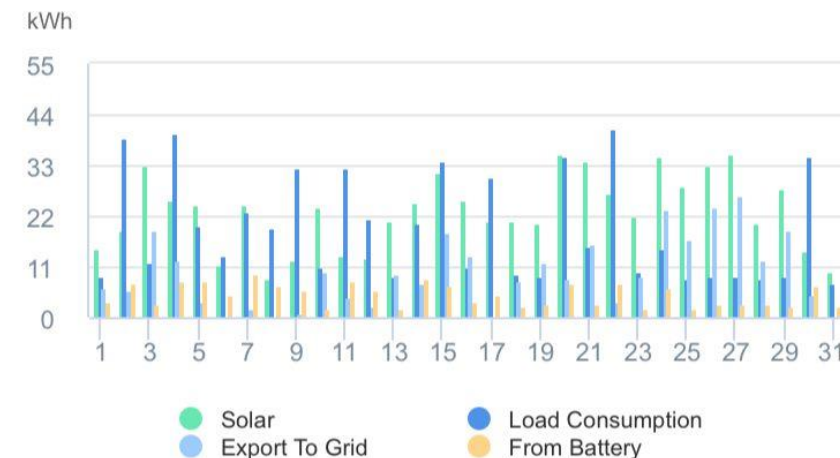


PowerEnergy

Power comparison

Hour DAY MONTH YEAR

2023-05



**Solar production:701.4kWh**



**Load consumption:599kWh**



Dashboard

Plant

Service

Me

# Whittington Opportunities

- Lots of roofs to fill

This is a small section showing how many others could benefit from installing solar.



# Electric vehicle with Solar & Battery

- Why
- Cost versus benefits







# QUESTIONS

