

## MAXIMISING SOLAR PV RETURN



### CAPTURING THE SUNS ENERGY

The more intense the sunlight (UV rays) the more electricity produced, so when the sun is low in the sky less electricity is produced. Likewise, on cloudy and overcast days, less electricity is produced than on a bright sunny day.

In the winter less electrical energy is produced than during the summer as the sun shines for less hours. The yellow line represents the increased electricity production on a summer's day.

Summer

Winter

By shifting operating times for things like heating the water, using the washing machine and dishwasher and using air conditioning units, electricity usage is managed to align with the electricity generated from the solar system during the day. Less electricity is used early in the morning and late in the evening, meaning less electricity is needed to be imported from the grid resulting in lower power bills.

## Key

- Fridge
- Hot Water
- Cooking
- Lighting
- Washing Machine
- Dishwasher
- Phone
- TV

Energy consumption (kw)

