Solar Panels Case Study

This case study presents how much energy is generated by solar panels daily (12 hour period from 6am to 6pm) and annually by one vehicle. This study takes into account various weather conditions. Analysis presents the actual daily as well as potential annual savings made by ACETECH SOLAR solution.

ACETECH™

Average Daily Amps Generated
Per one vehicle

237

Average Daily kWh Saved
Per one vehicle

52

Average Daily CO2 Saved (kg)
Per one vehicle

12

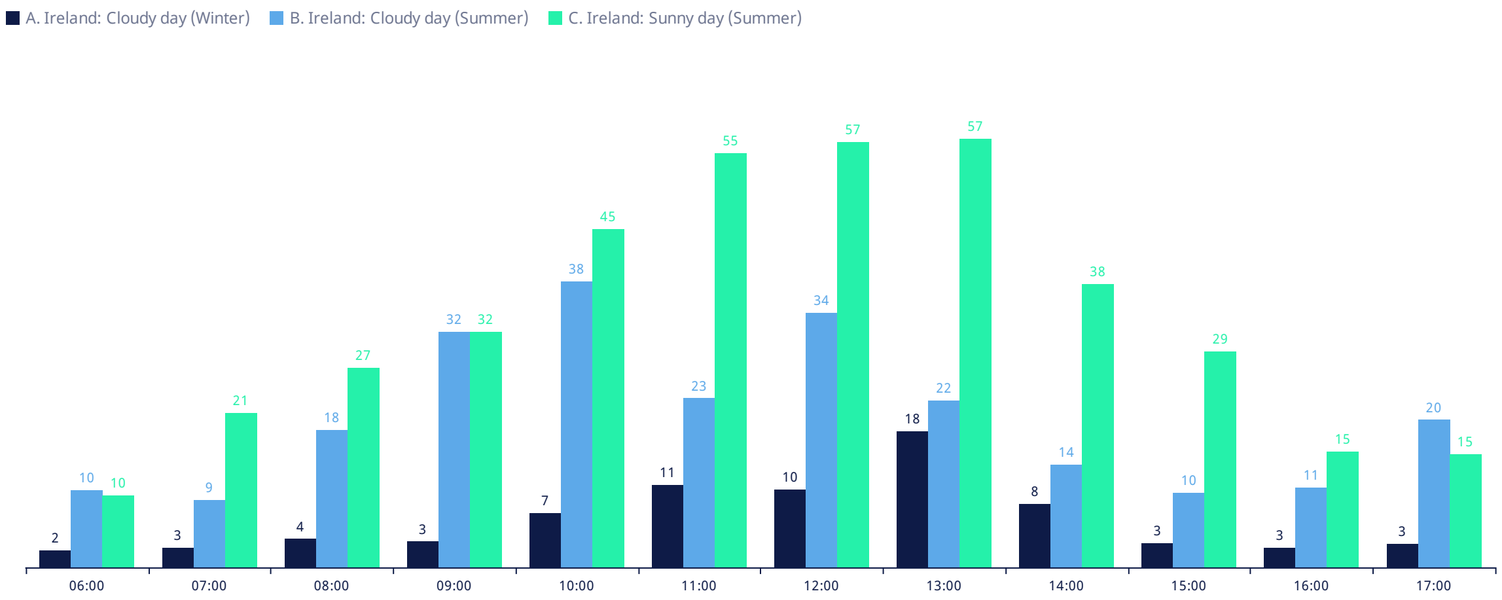
Average Daily Cost Saved (€)
Per one vehicle

14

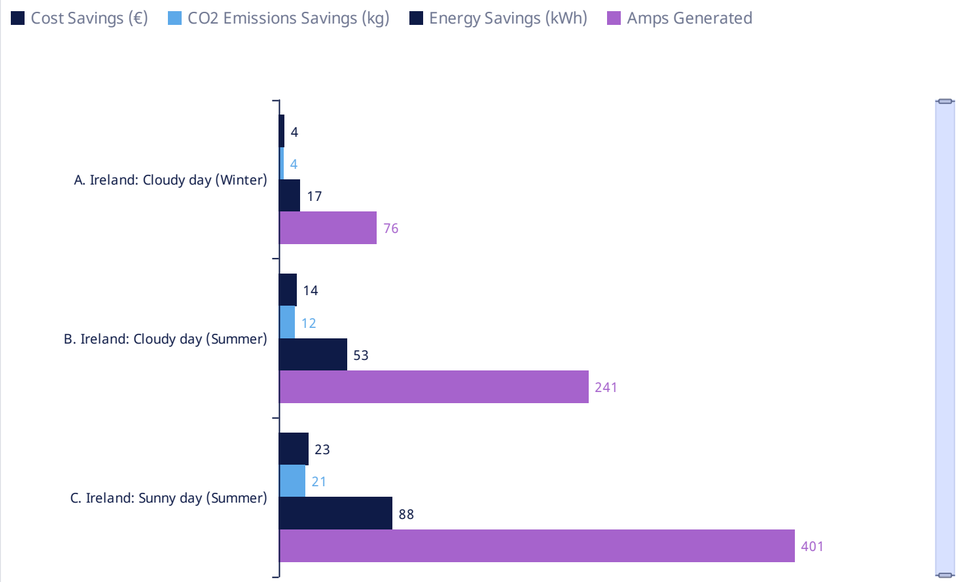
Note

The conversion factor is 0.23314kg CO2 saved for each kWh produced from a carbon free source

Hourly Profile of Amps Generated by Solar Panels
Per one vehicle



Total Daily Savings for each Scenario
Per one vehicle



Note

Potential savings below were calculated using average values presented above.

As a default, tiles show annual savings per year for one vehicle. However, user can adjust the size of the fleet using the slider feature.

Fleet Size

506

Solar Energy Utilisation

0.6

Amps Generated per Year
Total for 506 vehicle(s)

26,682,190

kWh Saved per Year
Total for 506 vehicle(s)

5,870,106

CO2 Saved (kg) per Year
Total for 506 vehicle(s)

1,368,629

Cost Saved (€) per Year
Total for 506 vehicle(s)

1,526,228

Showing

Price per unit (1 kWh) 0.26

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