

Example

Excel Electrical (Furness)Ltd
Offer Number: Example



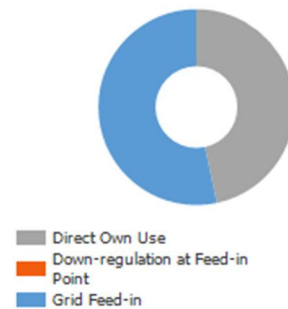
Simulation Results

Results Total System

PV System

PV Generator Output	7.38 kWp
Spec. Annual Yield	984.76 kWh/kWp
Performance Ratio (PR)	90.34 %
PV Generator Energy (AC grid) with battery	6,937 kWh/Year
Direct Own Use	3,237 kWh/Year
Down-regulation at Feed-in Point	0 kWh/Year
Grid Feed-in	3,702 kWh/Year
Own Power Consumption	46.6 %
CO ₂ Emissions avoided	3,096 kg / year

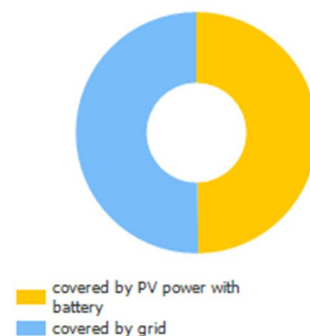
PV Generator Energy (AC grid) with battery



Appliances

Appliances	6,495 kWh/Year
Standby Consumption (Inverter)	9 kWh/Year
Total Consumption	6,504 kWh/Year
covered by PV power with battery	3,237 kWh/Year
covered by grid	3,267 kWh/Year
Solar Fraction	49.8 %

Total Consumption



Battery System

Charge at beginning	4 kWh
Battery Charge (PV System)	1,306 kWh/Year
Battery Energy for the Covering of Consumption	968 kWh/Year
Losses due to charging/discharging	302 kWh/Year
Losses in Battery	41 kWh/Year
Cycle Load	6.1 %
Service Life	16 Years

Level of Self-sufficiency

Total Consumption	6,504 kWh/Year
covered by grid	3,267 kWh/Year
Level of Self-sufficiency	49.8 %