

PV Investment Analyser

PARAMETERS

31/05/2013

PROJECT

Site name	Example 250 kwp
Location	
EPC band D or above	Yes

SYSTEM

Modules	TBC
Inverter	
Total Installed Capacity [kW]	250
Space required [m ²]	

PERFORMANCE

Estimated generation [kWh/year]	230,000
Simulation software adjustment	0.0 %
Power adjustment (tolerance, LID etc.)	0.0 %
Annual PV modules degradation	0.70 %
Annual BOS degradation	0.1 %
Life time [years]	25

COSTS

Total system cost	£250,000
Export meter	£400
Initial system value depreciation	100 %
Annual O&M costs	

Replacements/repairs (eg. inverter) -

FIT SCHEME

Generation tariff	0.11	£/kWh
Export tariff	0.05	£/kWh
Scheme duration	20	years
Index-linked	Yes	
EPC band D required	Yes	

CONSUMPTION / EXPORT

Auto consumption rate	<input type="text" value="100 %"/>
Export to the grid	<input type="radio"/> 50 % <input checked="" type="radio"/> meter

GRID ELECTRICITY

Cost of electricty	0.10	£/kWh
Electricity inflation	9 %	
Grid carbon factor	0.527	kg CO ₂ /kWh

FINANCIAL PARAMETERS

Inflation index	3.4 %
Bank account interest rate	1.0 %

CREDIT

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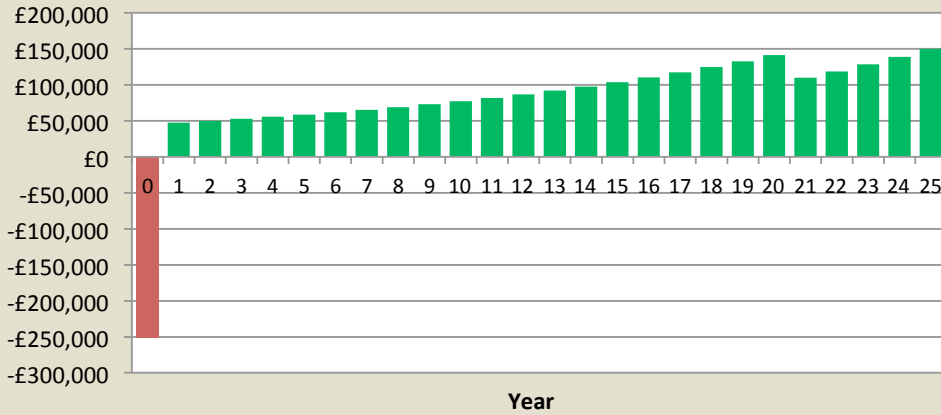
RESULTS

PBT	4.8 years
ARR	37.5 %
IRR	24.1 %
AERR	9.8 %

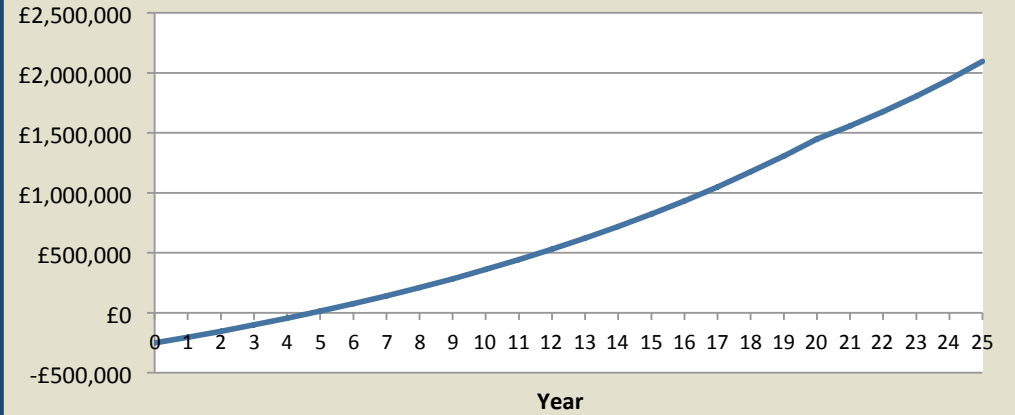
Future Value	£ 2,587,291
Overall ROI	933%
Net B/C ratio	8.1

Avg generation	209 MWh/year
Total generation	5231 MWh
Total CO ₂ savings	2757 tonnes

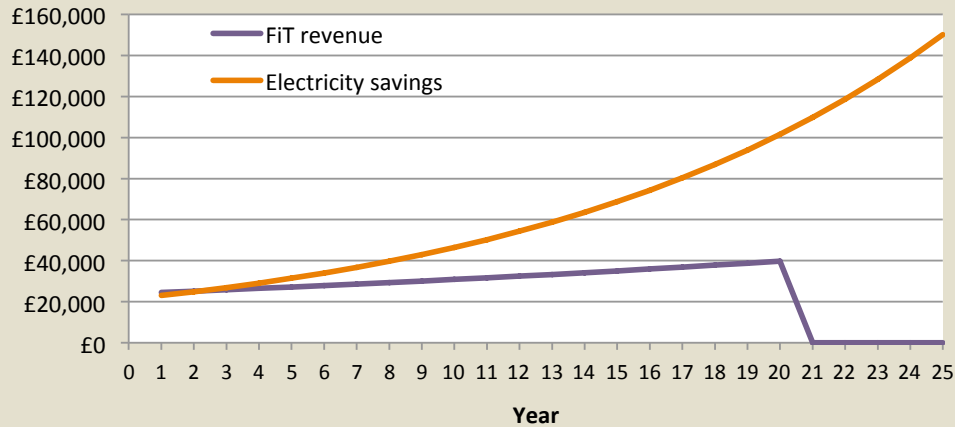
Cash flows



Cumulative cash flow



Revenue cash flows



PV investment value

