

PV Investment Analyser

PARAMETERS

31/05/2013

PROJECT

Site name	Example 30 kwp
Location	
EPC band D or above	Yes

SYSTEM

Modules	TBC
Inverter	
Total Installed Capacity [kW]	30
Space required [m ²]	

PERFORMANCE

Estimated generation [kWh/year]	25,000
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	£38,000
Initial system value depreciation	100 %
Annual O&M costs	
Replacements/repairs (eg. inverter)	-

FIT SCHEME

Generation tariff	0.13	£/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 checked="" type="radio"/> 50 % <input type="radio"/> meter

GRID ELECTRICITY

Cost of electricity	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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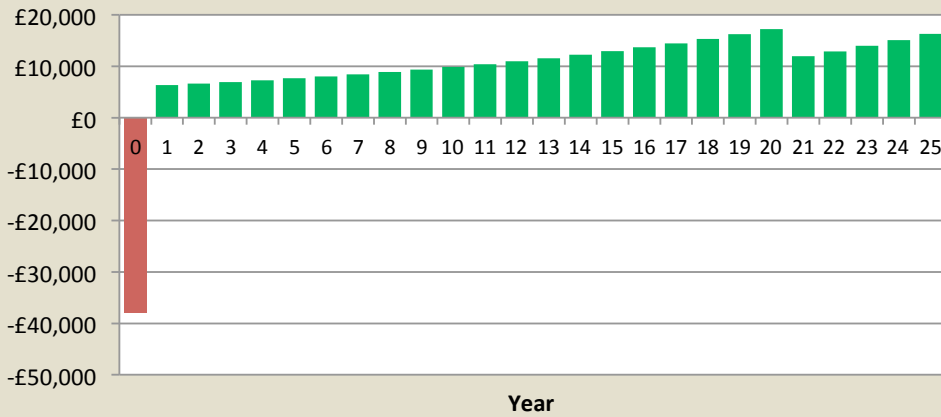
RESULTS

PBT	5.4 years
ARR	30.0 %
IRR	21.1 %
AERR	8.8 %

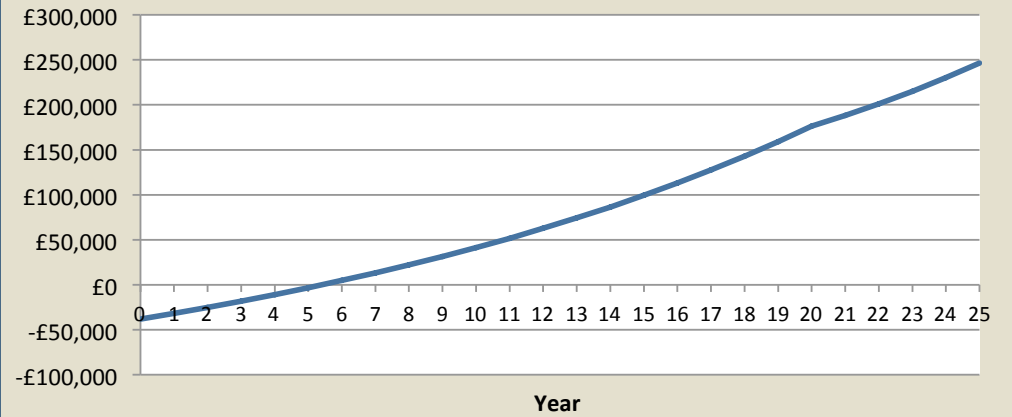
Future Value	£ 315,260
Overall ROI	730%
Net B/C ratio	6.5

Avg generation	22743 kWh/year
Total generation	569 MWh
Total CO ₂ savings	300 tonnes

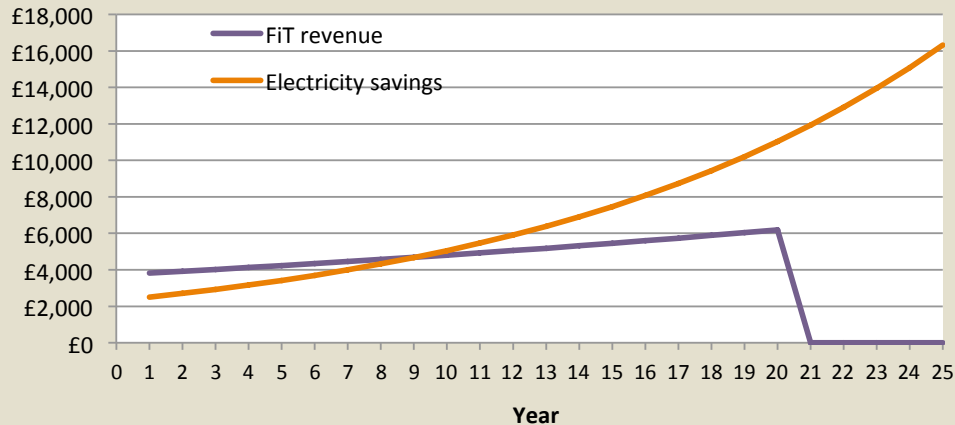
Cash flows



Cumulative cash flow



Revenue cash flows



PV investment value

