Instagrid

Instagrid GO 36 LV

COST EFFICIENCY

– English (imperial)


Instagrid
GO 36 LV

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Small Size Gasoline Generator – 3 kVA

Cost Efficiency Instagrid GO 36 LV

The calculation provided in this report is based on the following input data:

Generator: **3 kVA Generator**
Fuel Type: Gasoline
Fuel consumption per day & unit: 2.2 Gallons
Fuel Price: £ 6.00 per Gallon
Energy consumption per day & unit: 2 kWh
Electricity Price: £ 0.21 per kWh
Annual utilisation rate: 200 days/year

The total costs break even after just approx. **156** usage days.

Small Size Gasoline Generator – 3 kVA

Summary of total cost savings

1x 3 kVA Generator		**1x** Instagrid GO 36 LV
	vs.	

	Savings	3 kVA Generator	Instagrid GO 36 LV
Total costs over 1 year	- 19 %	£ 4547	£ 3690
Total costs over **4** years	- 70 %	£ 13459	£ 3977

Small Size Gasoline Generator – 3 kVA

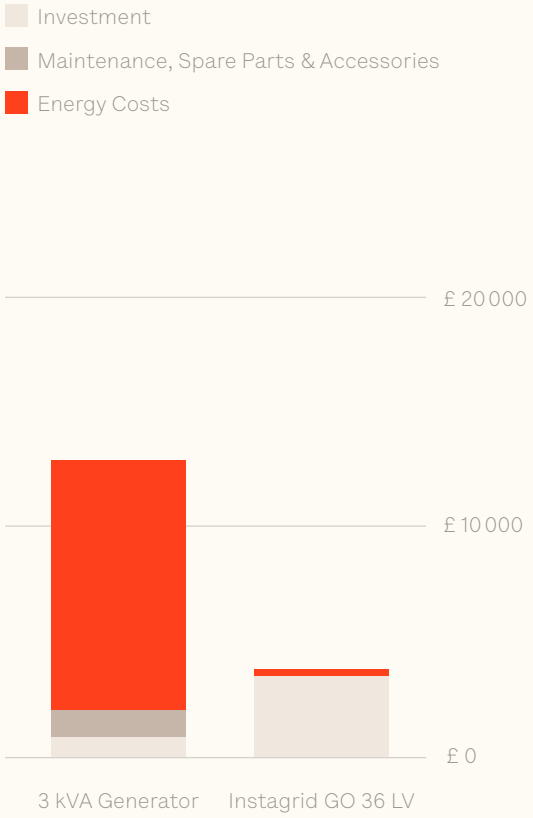
Total Cost of Ownership (TCO) for **4** years of usage

1x 3 kVA Generator

vs.

1x Instagrid GO 36 LV

	Investment Procurement	Maintenance Spare Parts Accessories	Energy Costs	Total Cost
3 kVA Generator	£ 1299	£ 1600	£ 10560	£ 13459
Instagrid GO 36 LV	£ 3595	£ 0	£382	£ 3977



Cost saving: **- 70 %**
Cost savings total: **£ - 9482**

Small Size Gasoline Generator – 3 kVA

Key facts and sustainability performance

1x 3 kVA Generator

vs.

1x Instagrid GO 36 LV

	Inrush current in Watt	Weight in lbs	Volume in ft³	Local CO_2 - emissions (lbs) over years considered*	Noise emissions in dB(A)	Energy costs per day
3 kVA Generator	~ 6 000	~ 99	4.5	41 805	80 to 100	£ 13.20
Instagrid GO 36 LV	18 000	46	1.3	0	10	£ 0.48
Change	**x 3**	**- 54 %**	**- 71 %**	**- 100 %**	**- 99 %**	**- 96 %**

* Local CO_2 emissions, assuming a complete combustion.

Mid Size Gasoline Generator – 5 kVA

Cost Efficiency Instagrid GO 36 LV

The calculation provided in this report is based on the following input data:

Generator: **5 kVA Generator**
Fuel Type: Gasoline
Fuel consumption per day & unit: 3.9 Gallons
Fuel Price: £ 6.00 per Gallon
Energy consumption per day & unit: 2 kWh
Electricity Price: £ 0.21 per kWh
Annual utilisation rate:: 200 days/year

The total costs break even after just approx. **91** days of usage.

Mid Size Gasoline Generator – 5 kVA

Summary of total cost savings

1x 5 kVA Generator

vs.

1x Instagrid GO 36 LV

	Savings	5 kVA Generator	Instagrid GO 36 LV
Total costs over 1 year	- 44 %	£ 6 615	£ 3 690
Total costs over **4** years	- 82 %	£ 21 643	£ 3 977

Mid Size Gasoline Generator – 5 kVA

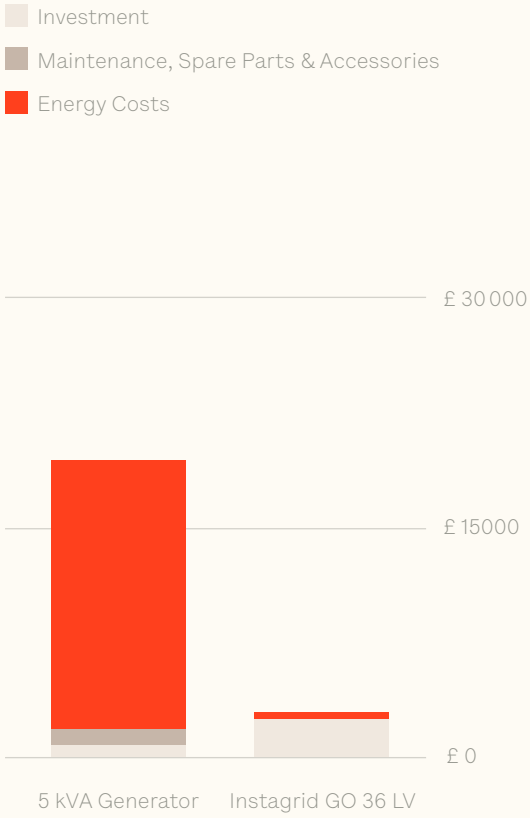
Total Cost of Ownership (TCO) for **4** years of usage

1x 5 kVA Generator

vs.

1x Instagrid GO 36 LV

	Investment Procurement	Maintenance Spare Parts Accessories	Energy Costs	Total Cost
5 kVA Generator	£ 1323	£ 1600	£ 18720	£ 21643
Instagrid GO 36 LV	£ 3595	£ 0	£ 382	£ 3977



Cost saving: **- 82 %**
Cost savings total: **£ - 17666**

Mid Size Gasoline Generator – 5 kVA

Key facts and sustainability performance

1x 5 kVA Generator

vs.

1x Instagrid GO 36 LV

	Inrush current in Watt	Weight in lbs	Volume in ft³	Local CO_2 - emissions (lbs) over years considered*	Noise emissions in dB(A)	Energy costs per day
5 kVA Generator	~ 10 000	~ 183	7.2	74 110	80 to 100	£ 23.40
Instagrid GO 36 LV	18 000	46	1.3	0	10	£ 0.48
Change	**x 1.8**	**- 75 %**	**- 82 %**	**- 100 %**	**- 99 %**	**- 98 %**

* Local CO_2 emissions, assuming a complete combustion.

Mid Size Diesel Generator – 6 kVA

Cost Efficiency Instagrid GO 36 LV

The calculation provided in this report is based on the following input data:

Generator: **6 kVA Generator**
Fuel Type: Diesel
Fuel consumption per day & unit: 2.73 Gallons
Fuel Price: £ 6.27 per Gallon
Energy consumption per day & unit: 2 kWh
Electricity Price: £ 0.21 per kWh
Annual utilisation rate:: 200 days/year

The total costs break even after just approx.
68 days of usage.

Mid Size Diesel Generator – 6 kVA

Summary of total cost savings

1x 6 kVA Generator	vs.	**1x** Instagrid GO 36 LV
		

	Savings	6 kVA Generator	Instagrid GO 36 LV
Total costs over 1 year	- 43 %	£ 6525	£ 3690
Total costs over **4** years	- 77 %	£ 17624	£ 3977

Mid Size Diesel Generator – 6 kVA

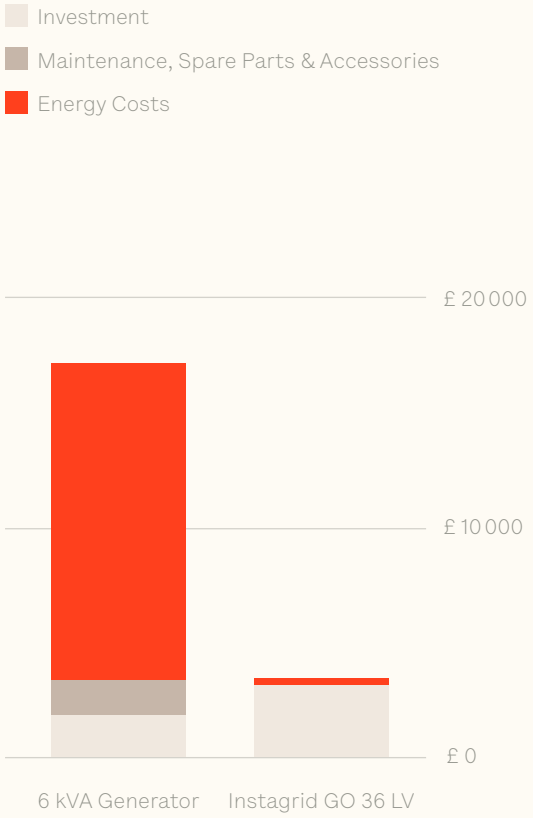
Total Cost of Ownership (TCO) for **4** years of usage

1x 6 kVA Generator

vs.

1x Instagrid GO 36 LV

	Investment Procurement	Maintenance Spare Parts Accessories	Energy Costs	Total Cost
6 kVA Generator	£ 2 330	£ 1 600	£ 13 694	£ 17 624
Instagrid GO 36 LV	£ 3 595	£ 0	£ 382	£ 3 977



Cost saving: **- 77 %**
Cost savings total: **£ - 13 647**

Mid Size Diesel Generator – 6 kVA

Key facts and sustainability performance

1x 6 kVA Generator

vs.

1x Instagrid GO 36 LV

	Inrush current in Watt	Weight in lbs	Volume in ft³	Local CO_2 - emissions (lbs) over years considered*	Noise emissions in dB(A)	Energy costs per day
6 kVA Generator	~ 10 000	~ 293	9.0	58 006	80 to 100	£ 17.12
Instagrid GO 36 LV	18 000	46	1.3	0	10	£ 0.48
Change	**x 1.8**	**- 84 %**	**- 86 %**	**- 100 %**	**- 99 %**	**- 97 %**

* Local CO_2 emissions, assuming a complete combustion.

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This example calculation is based on assumptions and average values. Please do not hesitate to contact us for a personalized cost calculation:
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Want to learn more about our impact?
Visit us online:
https://instagrid.co/gb/impact

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