



Instagrid GO 36 LV

COST

EFFICIENCY



– English (imperial)





Table of content

Cost efficiency

Small Size Gasoline Generator – 3 kVA	4
Mid Size Gasoline Generator – 5 kVA	8
Mid Size Diesel Generator – 6 kVA	12



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



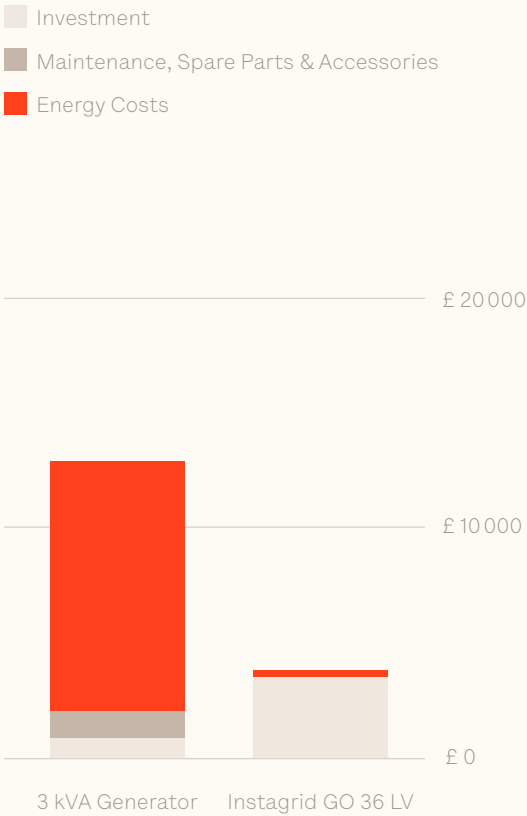
vs.

	Savings	3 kVA Generator	Instagrid GO 36 LV
Total costs over 1 year	- 19 %	£ 4 547	£ 3 690
Total costs over 4 years	- 70 %	£ 13 459	£ 3 977

Small Size Gasoline Generator – 3 kVA

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

	1x 3 kVA Generator		1x Instagrid GO 36 LV	
				
	vs.			
	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 ft ³	Local CO ₂ - emissions (lbs) over years considered*	Noise emissions in dB(A)	Energy costs per day
3 kVA Generator	~ 6000	~ 99	4.5	41805	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 CO₂ 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



Mid Size Gasoline Generator – 5 kVA

Summary of total cost savings

1x 5 kVA Generator



1x Instagrid GO 36 LV




vs.

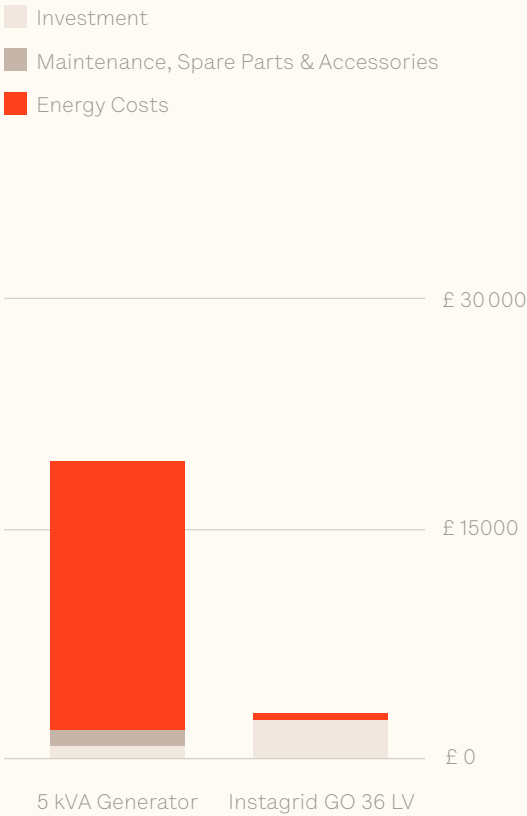
The total costs
break even after
just approx.
91 days of usage.

	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: £ - 17 666

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 ft ³	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	74110	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 CO₂ 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



Mid Size Diesel Generator – 6 kVA

Summary of total cost savings

1x 6 kVA Generator



1x Instagrid GO 36 LV



vs.

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

	Savings	6 kVA Generator	Instagrid GO 36 LV
Total costs over 1 year	- 43 %	£ 6 525	£ 3 690
Total costs over 4 years	- 77 %	£ 17 624	£ 3 977

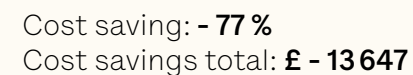
Total Cost of Ownership (TCO)
for 4 years of usage



1x Instagrid GO 36 LV

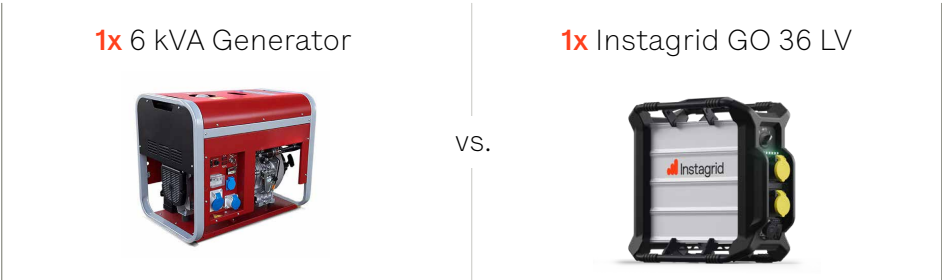


- Investment
- Maintenance, Spare Parts & Accessories
- Energy Costs



Mid Size Diesel Generator – 6 kVA

Key facts and sustainability performance



	Inrush current in Watt	Weight in lbs	Volume in ft ³	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 CO₂ emissions, assuming a complete combustion.



This example calculation is based on assumptions and average values. Please do not hesitate to contact us for a personalized cost calculation:

sales.uk@instagrid.com

Want to learn more about our impact?

Visit us online:

<https://instagrid.co/gb/impact>

Or contact us:

sustainability@instagrid.co

instagrid.co

Instagrid UK Ltd.
Epworth House
25 City Road
London EC1Y 1AA
United Kingdom