

## 1. Space Requirement

#### SGV-G 100 (Strong Gravity Vacuum Generator):

Compact design that fits into a 20-foot Container. Does not require much space, can be set up flexibly (e.g. in Urban or Industrial Areas)



#### **External Dimensions:**

- Length: 6,058 metres (20 feet)
- Width: 2,438 metres (8 feet)
- Height: 2,591 metres (8.5 feet)

#### **Photovoltaics:**

Requires large areas (e.g. house roofs or open spaces). A comparable system that delivers 100 kW/h requires an area of approx. of the modules, an area of approx. 500-1,000 m<sup>2</sup>.



### Advantage SGV-G:

Space-saving and independent of geographical or architectural conditions.





## 2. Dependence on Environmental Conditions

#### SGV-G 100 (StrongGravityVacuumGenerator):

Runs regardless of the weather, time of day or season. 24/7 operation, even in complete darkness or extreme climatic conditions.



#### **External Dimensions:**

- Length: 6,058 metres (20 feet)
- Width: 2,438 metres (8 feet)
- Height: 2,591 metres (8.5 feet)

#### **Photovoltaics:**

Dependent on sunlight.
Power fluctuations in cloudy weather, rain, snow or in the winter months.
No power generation at night.



## Advantage SGV-G:

Reliable Electricity Production with constant Output.





3. Amortisation and Economic Efficiency

SGV-G 100 (StrongGravityVacuumGenerator):

Acquisition costs of 350,000 to 470,000USD, amortises after just 2 years.

No fuel costs, minimal maintenance costs.



#### **External Dimensions:**

- Length: 6,058 metres (20 feet)
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- Height: 2,591 metres (8.5 feet)

#### **Photovoltaics:**

Investment costs of around USD 150,000-200,000 for a 100 kW/h system. However, the amortisation amortisation periods are due to weather-related production downtimes and the need for battery storage, to secure the night-time supply. Acquisition costs of USD 150,000, amortised after approx. 6 years.



### Advantage SGV-G:

Shorter amortisation time due to constant
Power Generation
and no additional costs
for storage systems.





# 4. Service Life and Warranty

SGV-G 100 (Strong Gravity Vacuum Generator):

Service life of 25+ Years.

4-year guarantee on all main components.



#### **External Dimensions:**

- Length: 6,058 metres (20 feet)
- Width: 2,438 metres (8 feet)
- Height: 2,591 metres (8.5 feet)

#### **Photovoltaics:**

Service life of the modules approx. 20-25 years, but with a loss of efficiency of 10-20 % after 10 years.
Battery storage systems usually have a service life of only 8-10 years.



## Advantage SGV-G:

Longer Service Life with the same efficiency.





## 5. Environmental Friendliness

#### SGV-G 100 (StrongGravityVacuumGenerator):

Emission-free, requires no fossil fuels or rare raw materials. The manufacture of the vacuum tank is robust and environmentally friendly.



#### **External Dimensions:**

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- Width: 2,438 metres (8 feet)
- Height: 2,591 metres (8.5 feet)

#### **Photovoltaics:**

The production of solar modules requires rare earths and is energy-intensive.

Disposal of the modules and batteries can be harmful to the environment.



### Advantage SGV-G:

Greater Sustainability in Production and Disposal.



## 6. Operating Costs and Maintenance

SGV-G 100 (StrongGravityVacuumGenerator):

Minimal maintenance costs. No running costs for fuel or operating materials.



#### **External Dimensions:**

- Length: 6,058 metres (20 feet)
- Width: 2,438 metres (8 feet)
- Height: 2,591 metres (8.5 feet)

#### **Photovoltaics:**

Regular cleaning of the modules is necessary, especially in dusty or snowy regions.

Additional costs for battery systems and their maintenance.



### Advantage SGV-G:

Lower running costs and less maintenance.





## Conclusion: SGV-G 100 vs. Photovoltaics

Although photovoltaics is a proven technology for renewable energy, the SGV-G 100 sets new standards in efficiency and reliability.

#### Its advantages include:

- Constant power generation regardless of the weather, time of day or season.
- Shorter amortisation time through continuous operation and low operating costs.
- Compact Space requirement only requires a 20-foot Container, instead of large open spaces.
- Greater sustainability
   No rare earths
   or problematic disposal
   as with solar modules.



The SGV-G 100 is therefore the ideal solution for companies and households that require a reliable, low-maintenance and environmentally friendly power source - without the limitations and fluctuations of photovoltaics. Furthermore, it represents a top investment opportunity, that guarantees a passive, secure and high income.



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