

# saliGO!<sup>®</sup>

## Technical Data



### Salt battery storage trailer for on the road

from 9 kWh to 27 kWh

The **saliGO!**<sup>®</sup> is a complete salt battery storage system built into a trailer and can be used as an island system wherever no electricity is available. Each storage trailer is tailor-made and is designed and built individually to meet the needs and applications of the customer.

With a **saliGO!**<sup>®</sup> storage system, there is far more to gain than energy self-sufficiency, self-consumption optimisation and electricity cost reduction.

#### The **saliGO!**<sup>®</sup> will help you ...

- ... to store your energy safely, securely and innovatively.
- ... to make your contribution to the environment and climate change.
- ... to invest your money in a long-lasting resource-saving system.
- ... to use your electricity in a 100% sustainable and environmentally friendly way.
- ... to give your grandchildren a healthy future.



## Heidi on the Alp

### Example: Alpine farming

You want to milk your cows regularly on the high alp, cool the milk, look after guests in the remote chalet or operate other equipment. In early summer, the **saliGO!** is driven up into the mountains and charged in conjunction with mobile or stationary photovoltaic modules on the alp. For bad weather periods such as rain, fog or snow, an additional generator is required for the stand-alone system to provide continuous power for the daytime storage unit for charging. Heidi will thank you – for the peace and quiet as well as the clean air.



## Flap open, the first!

### Example: Film shoots and photo shootings

Somewhere in nirvana, the hero sits by the campfire, grim-faced, alone, lost in thought. The camera equipment and the spotlights for the close-up of his face are available with a **saliGO!** even in electricity-free oases. Nothing disturbs the concentration of the shooting team and no diesel generator rattle disturbs the sound recordings. It saves you costly dubbing – and that too ecologically and without exhaust fumes.



## A colourful crowd on the market square

### Example: Market stalls

All day long, the diesel generator for your refrigerated counter or other power consumers rattles in the background and pollutes the air around your market stall. You are tired of the constant noise! Your customers also feel inconvenienced, not to mention the local residents. With the cheap night-time electricity, you charge the salt battery storage at home and are ready for a quiet, odour-free working day at the next market in the morning with the **saliGO!**.



## Completely detached at the concert

### Example: Events

Your long organised party starts somewhere in the off of a pampa. Fully charged with energy, the **saliGO!** provides the light show of the wild night or the power for the instruments of the mega-awesome live band. With mobile photovoltaic panels, it is also possible to bring the **saliGO!** back to full power on site the following day for the next nightly event.



## Safety and light on the construction site

### Example: Construction

You work in places where there is no electricity. The construction trailer needs light and heating. Or the warning signals of a construction site are far away from any power sources. What if all this could be run without fossil fuels like diesel or gas? You would be able to save yourself quite a bit of money.

<b>Requirements</b>	
Off-grid operation	Installed photovoltaic system and emergency generator
Mains operation	400 V mains connection
<b>System characteristics</b>	
Type of system	All-in-one system
AC phases	3-phase system (asymmetrical operation)
Requirements installation site	indoor and outdoor (trailer is weatherproof)
Fire and personal protection requirements	usual personal protection, no fire protection measures necessary
Dimensions	Varies depending on trailer size
Maximum total weight	1'500 kg for a large trailer
<b>Battery storage</b>	
Battery type	Salt battery (molten salt or ZEBRA cell)
Chemical name	NaNiCl <sub>2</sub> (sodium nickel chloride)
Expected life <small>(years/deep cycles/shallow cycles)</small>	15 years / > 4500 / > 8500
Nominal storage size (per salt battery)	9.4 kWh
Usable storage (per salt battery)	approx. 8 kWh
Continuous power discharge (per salt battery)	≤ 150 A (6.5 kVA) Battery limited
Charging power (per salt battery)	≤ 40 A (≤ 2 kW)
Maximum C rate (charge / discharge)	0.25 C / 0.5 C
Nominal battery voltage	48 V
Battery efficiency (standard cycle)	90 %
<b>Inverter</b>	
Nominal power (Victron, adapted to salt battery)	3 x 3 kVA or 3 x 5 kVA
Overload capacity (max 5 sec.) max. discharge power	18 kVA or 30 kVA
Galvanic isolation (DC from AC)	yes
Inverter safety in PV systems	DIN EN 62109 certified
Energy management	Victron ESS adapted to the salt battery
<b>Further functions</b>	
Self-consumption optimisation	integrated and configurable
Visualisation, data analysis, energy statistics	Web platform plus app for iOS + Android
Battery monitoring	Remote monitoring of all batteries in real time

# Advantages of the salt battery

The salt batteries of the innovenergy® storage solutions are made of harmless materials: 32 % common salt, 22 % nickel, 22 % iron, 20 % ceramic.

The recycling of the salt battery has been standardised for 15 years. The metals are melted down and returned to the metal industry. The battery is manufactured 100% in Switzerland according to Swiss environmental and labour standards.

The salt battery is absolutely safe - the rooms do not need any fire protection or fire warning devices as the battery is neither flammable nor can it explode. It can also be operated in very cold and very warm rooms (-20° to +60° C) without ventilation or air conditioning. The outside temperature does not affect the storage capacity or the service life.

The battery survives a total discharge without damage. The salt battery has a service life of at least 15 years (10-year guarantee) and is maintenance-free.

The salt battery is extremely robust and is used by the thousands in the telecommunications industry. In industry, it is considered a cheap and safe electricity storage technology in the long term. With innovenergy®, this technology is now also available for domestic use and for businesses.

## Recycling

There are no early recycling or disposal fees. However, the transport of the battery to be discarded back to the manufacturer in Stabio/CH must be borne by the customer. There, the complete battery is returned to its raw material cycle.

## Subsidies

KFW subsidy in Germany is available with a 10-year current value guarantee.

## Warranty

Provided that the installation and operating conditions are complied with, the salt battery is covered directly by the manufacturer with a time-value guarantee of 10 years. The battery inverters are covered by a 5-year warranty. Everything else is covered by a standard 2-year warranty. The warranty is an device warranty. Travel costs and working hours will be charged separately in the event of replacement or faults, unless you have subscribed to a service contract for the relevant year.

## We will be happy to advise you!

For a binding offer – individually tailored to your needs – please contact us.



## innovenergy AG

Gemeindemattenstr. 20  
CH-3860 Meiringen  
T +41 33 552 10 10  
info@innov.energy