

# 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 at 80 % DoD                           | 15 years / > 8500 shallow cycles                                 |
| 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

100 % of the discarded salt batteries are returned to the raw material cycle. In Switzerland, this recycling is ensured by INOBAT. Different recycling regulations apply in each country and advance disposal fees are charged accordingly. Please ask your sales partners in the respective country.

## 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.



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