

For immediate release

## **Cooperation between BMZ and Victron Energy Storage Systems and Multigrid Inverter form the perfect team for reducing electricity costs**

*Almere Haven, May 26<sup>th</sup>, 2017*

BMZ GmbH cooperates with Dutch company Victron Energy B.V. in the energy storage system area. The BMZ Energy Storage System (ESS), including the products ESS 7.0 and ESS 9.0 work perfectly with an inverter from Victron – the Victron Multigrid Inverter. This combination of energy storage system and inverter is a flexible solution for storing energy and optimizing energy consumption for home use. Energy storage solutions from BMZ and Victron make users independent from power companies and reduce electricity costs through personalized energy use.

### **Environmentally-Friendly Lithium Ion Battery Technology**

With the ESS 7.0 and ESS 9.0, solar power users are more independent from electricity prices and use the eco-friendly electricity they produce in house whenever they need it. The ESS is an environmentally-friendly lithium-ion battery technology with a service life of up to 20 years, and is ideal for private households and commercial facilities. Modular lithium ion energy storage allows the photovoltaic energy you produce to be stored in battery modules for later use. Excess energy can be fed into the network in a targeted manner.

### **Maximum Performance Up to 18 Kilowatts**

The ESS is a powerful energy storage system with a maximum output of 18 kilowatts (kW) per modul. With 5,000 full cycles, the storage system is long-lasting and can have up to a ten year guarantee in Germany. Its very compact construction allows for modular mounting: batteries and inverter modules can be adjusted flexibly, depending on customers' needs and their desired storage capacity. Up to twelve battery modules and six 15 kVA inverter can be cascaded, creating a three phase 90kVA system with 102 kWh of storage.

### **Multi-Stage Safety Concept**

The ESS uses a multi-stage safety concept. BMZ works with high thermal materials and electro-mechanical stability within the lithium ion technology. The storage system has both over and under-voltage monitoring on the cell level with redundant release for the battery cut-off, and offers safe protection against restarting after a deep discharge or other significant battery damage. BMZ works with a series of transportation and handling tests as part of its safe process design. Production for the new energy storage system for industrial and commercial uses will start in May of 2017.

**Meet our BMZ experts Björn Schenk & Stratis Tapanlis at the Intersolar trade fair at BMZ exhibition booth Hall B1 • Stand 459.**

### **About BMZ**

The BMZ Group is a global player in lithium-ion system solution production. BMZ is a system supplier for many types of products such as energy storage systems, E-bikes, large-scale batteries for buses, forklifts, E-boats, industrial trucks, street sweepers, aerospace applications, power and garden tools, and medical equipment. Around 2,100 employees work for the BMZ Group across the globe. This results in cost advantages for our customers.

### **About Victron**

Victron Energy is a globally renowned manufacturer of components for autonomous power generation and solar systems. With their MultiPlus, Quattro inverters, and new ECOMulti, the company has set new standards in private consumption and solar energy.

Note for editors: For additional questions, please contact Margriet Armour.

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**About Victron Energy**

Victron Energy provides power solutions to Marine, Industrial, Automotive, Mobility, Off-Grid and Solar markets around the world. Founded in 1975 by Reinout Vader, Victron Energy is based in Almere-Haven in The Netherlands.

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