

## Solar Energy South Africa

# Kiribati jena flow batteries



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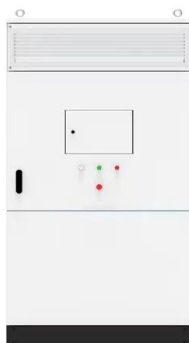


### JenaBatteries , Metal-free battery solutions for ...

With their metal-free redox flow batteries, RFB for short, the Jena-based company JenaBatteries GmbH has developed a more eco-friendly and secure alternative to lithium batteries, and thus makes its own contribution to the ...

### [Redox flow batteries at a glance](#)

Redox flow batteries at a glance Home News  
Meldungen Redox flow batteries at a glance  
Redox flow batteries at a glance Zeitung (FAZ)  
reports on the current state of research. Redox  
Flow Battery. Image: Jan-Peter Kasper (University  
of Jena) Previous entry; Overview Next entry;  
Published: 22 January 2021, 15:19. There are  
various approaches



### [Polymer redox-flow batteries](#)

Polymer redox-flow batteries. PRFB - a promising battery technology. Unlike many other battery systems, HIPOLE Jena aims to find new and advanced ways to develop the next generation of grid-scale energy storage by bringing together FSU Jena's years of experience in polymer design and synthesis as well as state-of-the-art molecular level

## German start-up company JenaBatteries develops highly valued

Metal-free redox flow batteries developed by JenaBatteries are a sustainable alternative to lithium-ion batteries for the stationary energy storage market. Dennemeyer Consulting values the intellectual property of JenaBatteries at MEUR 238 Investment round for building a battery factory in Germany Jena, 11 March 2021. Metal-free redox flow batteries are sustainable and resource ...



### [Organic Flow Battery 10 kW Stack](#)

Jena Flow Batteries GmbH Contact: Suqian Time Energy Storage Co., Ltd. Otto-Schott-Straße 15, 07745 Jena contact@jenabatteries No. 67 Huashan Road, Suyu District Germany +49 3641 8793520 Suqian, Jiangsu, China Organic Flow Battery 10 kW Stack Stacks are integral components of flow batteries that house multiple cells, facilitating the

### **BASF partners with 'metal-free' flow battery startup ...**

JenaBatteries' website claims the startup has made available a scalable redox flow battery for energy storage which goes from 100kW to 2MW power and 400kWh to 10MWh capacity ratings based on a saline solution, in ...



### **A sustainable storage solution for clean energy ...**

free redox flow battery, JenaBatteries has developed a sustainable, safe and scalable storage solution. Schiller University of Jena and market experts. The company develops large-scale redox flow batteries of 400 kWh and up. Following the successful product development phase, the company is ready to enter the market



in 2021.

## JenaBatteries , Metal-free battery solutions for renewable energies

With their metal-free redox flow batteries, RFB for short, the Jena-based company JenaBatteries GmbH has developed a more eco-friendly and secure alternative to lithium batteries, and thus makes its own contribution to the energy revolution. The batteries allow for new business models and more profitable services in the energy sector. "Stationary storage batteries are a key ...



### [Homepage , HIPOLE Jena](#)

Redox-flow batteries (RFB) are a special battery technology. In contrast to many other battery systems, with RFB the performance and capacity can be scaled independently of each other. As part of HIPOLE Jena, organic, polymer-based electrolytes are being investigated, which makes the use of critical metals/metal ions in the electrolytes

## Jena Batteries muss nach eingestellter Gesellschafterfinanzierung

Die Jena Batteries GmbH befindet sich in einem vorläufigen Insolvenzverfahren. Das Amtsgericht Gera kam einem entsprechenden Antrag des auf Redox-Flow-Batteriespeicher spezialisierten Start-ups nach. Zuvor sei Jena Batteries aufgrund einer kurzfristig eingestellten Gesellschafterfinanzierung in finanzielle Schwierigkeiten geraten.





## **Jena - Batteries, Metallfreie Redox-Flow Batterien - Aquamark ...**

JENA BATTERIES. Die JenaBatteries GmbH ist ein innovatives Unternehmen im Bereich großtechnischer Energiespeicherlösungen. Wir entwickeln, produzieren und verkaufen sichere und skalierbare Batteriesysteme. ORGANISCHE REDOX-FLOW-BATTERIEN SIND UNSERE LÖSUNG FÜR: Netzunabhängige Anwendungen. Microgrid-Lösungen. Insel-Lösungen

### [Jena Flow Batteries - Gold Sponsor](#)

Jena Flow Batteries GmbH is an innovative company specializing in the development and sales of metal-free flow battery systems. Our state-of-the-art energy storage solutions can be integrated seamlessly into the infrastructure of renewables such as photovoltaic and wind power plants. Thereby, we contribute to ensuring an efficient and stable energy supply.



## **Wirtschaft Aus für Jenabatteries: Mitarbeiter erhalten Kündigung**

Noch vor wenigen Monaten war der Insolvenzverwalter zuversichtlich, einen neuen Investor für Jenabatteries zu finden - der Batterieproduzent aus Jena ging in vorläufige Insolvenz. Nun müssen

## **Developing sustainable, environment-friendly batteries in Jena, ...**

The Centre for Energy and Environmental Chemistry (CEEC Jena) based in Jena, Germany is conducting research into this new generation of batteries. The project team has successfully created a redox flow battery by using polymer materials as a replacement for highly corrosive vanadium electrolytes.



## EWE Gasspeicher Flow Battery Energy Storage System, Germany

The EWE Gasspeicher Flow Battery Energy Storage System is being developed by EWE and Friedrich Schiller University Jena. plans to build the world's largest battery by employing the well-known redox flow battery principle - in which electrical energy is stored in a liquid - along with new, environmentally friendly components in

## JenaBatteries and BASF develop new power storage technology for flow

Market analyst ReportsnReports forecasts redox flow batteries will account for \$370 million in installations by 2025, more than doubling its 2018 value of \$130 million, with North America and Asia-Pacific consuming more than 80% of capacity.



## [Polymer Redox-Flow-Batterien](#)

HIPOLE Jena (Helmholtz-Institut für Polymere in Energieanwendungen Jena) ein Institut des Helmholtz-Zentrums Berlin für Materialien und Energie (HZB) auf dem Campus und in



**Efficient  
Higher Revenue**

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- Max. PV Input Voltage 600V
- 150% Peak Output Power
- 2 MPPT Trainers, 150% DC Input Overvoltage
- Max. PV Input Current 15A, Compatible with High Power Modules

**Intelligent  
Simple O&M**

- IP66 Protection Degree: support outdoor installation
- Smart I-V Curve Diagnostic function: locate PV string faults accurately and automatically detect faults
- DC & AC Type-II SPD: prevent lightning damage
- Battery Reverse Connection Protection

**Flexible  
Abundant Configuration**

- High & Low VFD Switching Under 10ms
- Compatible with Lead acid and Lithium Batteries
- Max. 6 units Inverters Parallel
- AFCI Function (Optional): when an arc fault is detected the inverter immediately stops operation

Kooperation mit der Friedrich-Schiller-Universität Jena / Center for Energy and Environmental Chemistry Jena (CEEC) Lessingstrasse 12-14, 07743 Jena. Tel: 03641 948 981

## New Research results on Polymer-Based Batteries! , HIPOLE Jena

Did you know that the performance of next-gen polymer-based batteries hinges on the complex 3D structure of their electrodes? Our latest study dives deep into this relationship, using focused ion beam scanning electron microscopy (FIB-SEM) to analyze and compare three different polymer-based electrode materials. Through advanced 3D imaging and simulations, ...



## JenaBatteries: scalable, safe, sustainable energy storage/batteries

JenaBatteries GmbH (Jena/Thüringen) provides solutions for scalable, sustainable and safe energy storage (batteries) by a new battery concept: polymer-based redox-flow batteries. Safe and economic redox-flow batteries using novel electrolytes based on (hyper)branched polymers for the storage of electrical power from eco-friendly sources

[Jena Flow Batteries GmbH, Jena](http://www.jenabatteries.com)

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