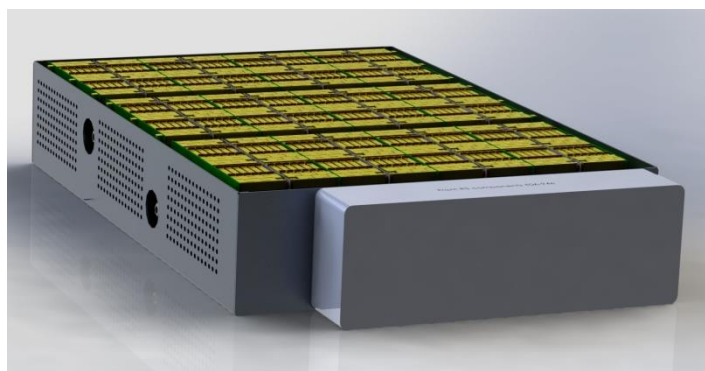


# PRODUCT DATA SHEET

## Rechargeable Lithium Sulfur Rack Mounted Battery



- **State-of-the-art Lithium Sulfur technology**
- **19" rack-mount battery with only a 3U profile**
- **Nominal 48V / 3 kWh Lithium Sulfur pack**
- **For Energy Storage and Vehicle applications**
- **Fully scalable to large MWh solutions**
- **Lightweight – only 25 kg**
- **Extremely safe - no acids or risk of fire**
- **Reduced environmental impact**
- **Advanced Battery Management System providing safe operation, control and status**

### Description:

The unit is based on OXIS Energy's unique Lithium Sulfur (Li-S) technology, offering a superior gravimetric energy density resulting in a very lightweight battery. Furthermore, compared to other lithium based chemistries, OXIS cells are very robust and safe when subject to abuse such as over-discharge, over-charge and high temperatures.

The active ingredients of the Li-S cells are sulfur - a recycled waste product from the oil industry - and lithium. Unlike lithium-ion our cells do not contain manganese, cobalt, lead or other harmful metals.

The battery is designed to easily install into 19" racking, allowing a scalable solution to both cabinet and large container size systems.

Communication ports are included, providing full diagnostics, status indication, health and usage monitoring. The on-board communication allow users access to various battery information including cell fault report, data logging, voltage, battery State of Charge (SoC) and historical data.

The advanced Battery Management System provides the measurement and safe control of cells, ensuring that they are closely matched and balanced during charging.

Parameter	Performance
Nominal Voltage	48 V
Rated Capacity	3000 Wh
Weight	25 kg
Max. Continuous Discharge	3000 W
Max Peak (30 sec) Discharge	9000 W
Dimensions	H = 130 mm W = 482 mm D= 650 mm
Charge Time	4 Hours
Cycle life (80% DoD, 60% BoL)	1,400
Operating Temperature range	0 to +60 °C
Communication Interface	CANbus, RS485, Ethernet
Approval	CE Designed to meet UN DoT38.3
Safety and Protection	The unit incorporates electronic protection, including: <ul style="list-style-type: none"> <li>• Over-charge protection</li> <li>• Over-discharge protection</li> <li>• External short circuit protection</li> <li>• Over temperature monitoring</li> </ul>