



# DATASHEET OXPOWER SA24S BATTERY

VERSIE 1.0 | 24 December 2021



**80V – 163Ah – 12.5kWh – 92kg\***  
**Type nr: OX000152**

\* All technical data is depending on HV fuse, connector, relay, DoD/SOC and cooling.

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## Most important features

- Built-in safety components and functions
- Current, voltage and temperature monitoring
- Can be used “Stand alone”
- Short time to market
- Automotive components
- Flexible installation options

## Configuration

- Multiple systems in parallel possible
- CAN-bus (configurable)

Electrical data	
Nominal voltage	76.8V
Maximum voltage	87.6V
Minimum voltage	64.8V
Capacity	163Ah
Nominal energy	12.51 kWh
Chemical composition battery cell	Lithium Iron Phosphate (LiFePO4)
Maximum charging current	163A
Maximum discharging current*	200A
Discharge temperature	-20°C t/m 55°C
Charge temperature	0°C t/m 45°C
Supply voltage	24VDC
Power consumption external supply (in use)	3.3W (@24VDC)
Communication	CAN-bus (configurable)
Recommended D.o.D. (Depth of Discharge)	90%
Cycle Life (80% of nominal capacity)**	≥4000 cycles (@25°C, 1C/1C and 90% D.o.D.)
Options	Internal heating

\*Depending on SOC and temperature

\*\* Depending on individual user profile, especially D.o.D, temperature and power

Mechanical data	
Dimensions (L x B x H) in mm	611 x 388 x 280
Weight	92kg
Protection class	IP67

