








OX Power SA series

“Stand Alone” battery systems

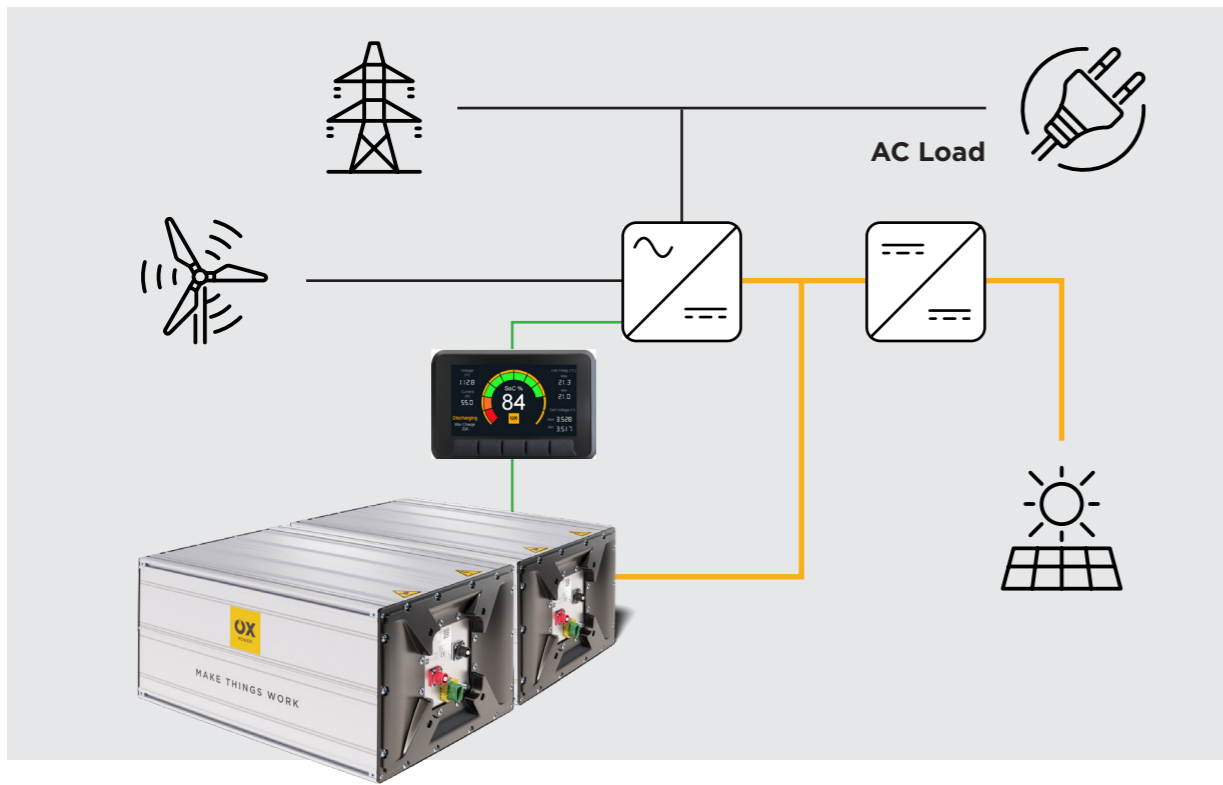
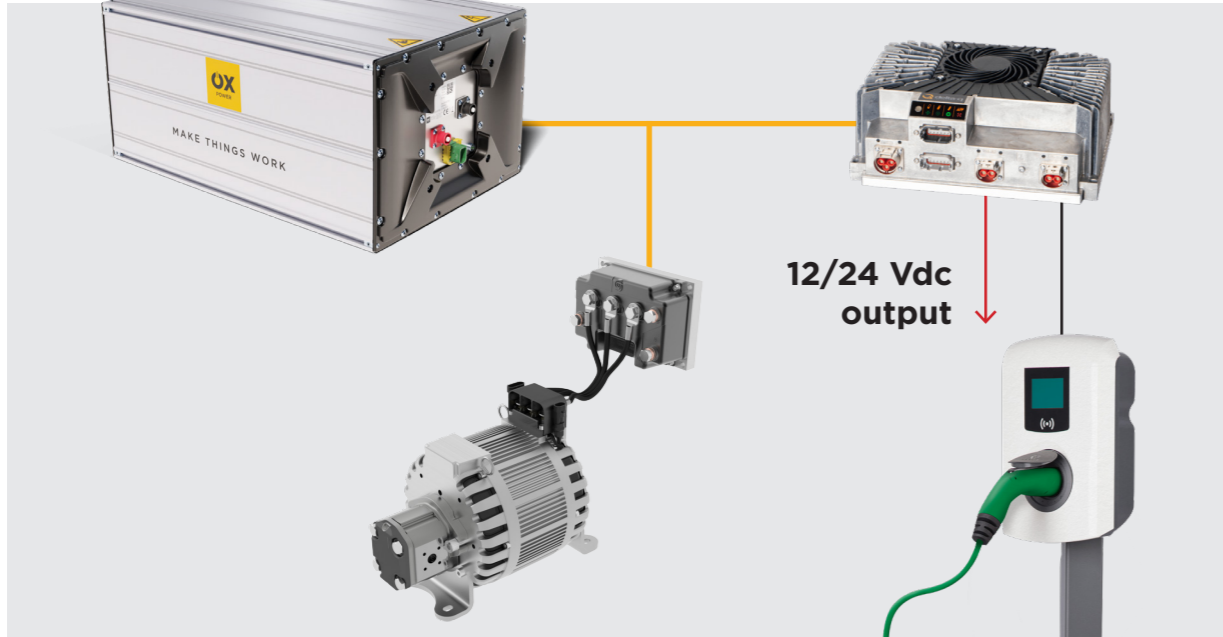


-  High energy density
-  Modular solution
-  Long battery life
-  Small series possible
-  Plug and play

The battery for machines that work long hours.

Your latest generation of machines requires a sustainable power source – a battery system that contributes to a cleaner world. That is OX Power. We develop and supply battery systems that are both powerful and compact. That you can integrate quickly. And dimensioned for a hard day’s work.

System examples

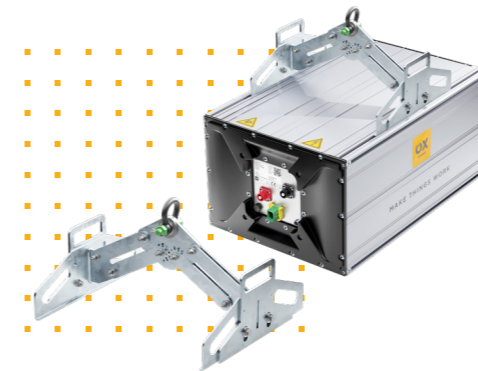


System accessories

To make your system complete OX Power can provide multiple accessories



On board chargers, validated and tested for integration with OX Power battery systems



Certified lifting tools for safe and easy lifting



Displays to visualize battery system data for the users

Specifications

Battery system type	SA1P16S	SA2P16S	SA1P24S	SA1P32S
Electrical data				
Nominal voltage	51.2V	51.2V	76.8V	102.4V
Maximum voltage	58.4V	58.4V	87.6V	116.8V
Minimum voltage	40V	40V	64.8V	80V
Nominal energy	8.35 kWh	16.7 kWh	12.51 kWh	16.7 kWh
Capacity	163Ah	326Ah	163Ah	163Ah
Chemical composition battery cell	Lithium Iron Phosphate (LiFePO ₄)			
Maximum charging current*	163A			
Maximum discharging current*	200A			
Discharge temperature	-30°C up to 60°C			
Charge temperature	0°C up to 60°C			
External supply needed	-	-	24Vdc	24Vdc
Communication	CAN-bus			
Advised D.o.D. (Depth of Discharge)	90%			
Cycle Life (80% of nominal capacity)**	≥4000 cycli (@25°C, 1C/1C en 90% D.o.D.)			
Options	Internal heating (for temperatures <0°C), datalogging			
Mechanical data				
Dimensions (L x B x H) in mm	455 x 388 x 280	766 x 388 x 280	611 x 388 x 280	766 x 388 x 280
Weight	62kg	112kg	92kg	112kg
Protection class	IP67			

*Depending on SOC and temperature

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

Key features

- Built-in safety components and functions
- Current, voltage and temperature monitoring
- “Stand alone” use
- Automotive components
- Flexible installation options

Configuration

- Multiple systems in parallel possible
- CAN-bus (J1939, CANopen)