

The powerful industrial battery energy storage system

INDUSTRIAL XL



Key Facts

1,500

Power in kW

4,072

Nominal capacity in kWh*

>95%

Overall efficiency in actual operation**

Benefits

- Participation in the energy market: interface to various trading service providers
- Multi-Market-Trading: Prepared for state-of-the-art applications
- Ready for your energy journey: Customizable with FEMS apps
- Optimal use at co-location sites, e.g., at PV and wind farms or industrial sites
- All-in-one system with compact high-voltage battery, integrated thermal management, efficient battery inverter, intelligent FEMS energy management, and support from a single source
- Fail-safe thanks to decentralized string inverter concept
- High-quality automotive batteries
- Includes fire alarm system and optional fire suppression system
- Cybersecurity by design

* Installed gross capacity

** For further information, please refer to our warranty conditions and applicable documents at www.fenecon.de.



System

Power Capacity	1,500 kW* 4,072 kWh
Product warranty	10 years
Main connection	18 x 400 V, 3L+PE, 50 Hz
Auxiliary supply connection	230/400 V, 3L/N/PE, 50 Hz
Operating temperature in °C	-20 to +40
Installation area (L W) in mm	8,680 5,220
Standards & certifications	IEC 60730, IEC 62619, IEC 62933, IEC 62477, IEC/EN 61000, CE-conformity, UN 38.3
Installation location	Outdoor
Efficiency**	>95%

* Nominal power at nominal voltage; actual power depends on other factors such as state of charge, ambient temperature, and cell temperatures

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Battery

Number in the system	36 in 3 racks
Cell technology	Nickel-manganese-cobalt (NMC)
Nominal capacity (DC) in kWh	113,1
DoD of nominal capacity	90%
Capacity guarantee***	10 years or 8,000 cycles

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Inverter

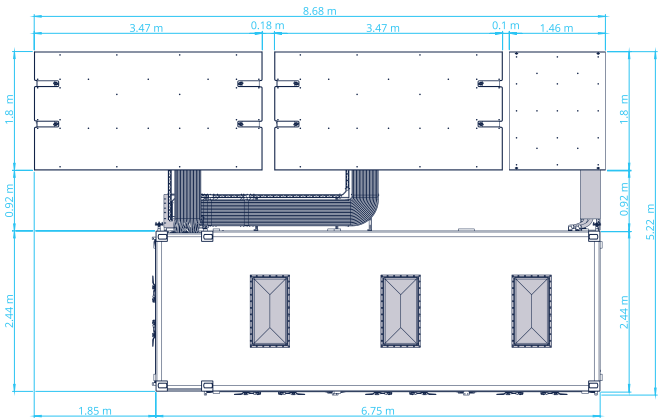
Number in the system	18 in 2 racks
Nominal power in kVA	92
Maximum efficiency in %	98.7
Size inverter rack (L W H) in mm	3,472 1,801 2,900
Weight in kg	2,200

Thermomanagement

Thermal cooling capacity in kW	50
Cooling medium	Water-glycol (50:50)
Dimensions (L W H) in mm	1,801 1,400 2,900
Weight in kg	720

Battery container

Dimensions (L W H) in mm	6,750 2,444 2,900
Weight in kg (including batteries)	32.000
Includes fire alarm system	
Optional aerosol-based fire suppression system	
Delivered fully equipped	
Includes room air conditioning and dehumidification	
Includes drip tray for leaking liquids	
Additional option packages	Aerosol-based fire suppression system, Lightning protection system, "Internet via ETH" upgrade package



Ready to go with the included FEMS app

Online monitoring is included as standard with the Fenecon Industrial XL

Additional FEMS apps are available upon request. FEMS apps are important building blocks for the future energy world, in which users can adapt their FENECON energy storage system to their individual requirements.



More infos about FEMS

FENECON GmbH
Gewerbepark 6
94547 Iggensbach
Germany

+49 9903 6280-0
info@fenecon.de
www.fenecon.de



More infos about the product

