

VENSTORE L800 Pro V400



Outdoor Storage System

- Space-saving system design
- Integrated liquid cooling system

Integrated Inverter

- Supports up to two parallel inverters
- Certified according DIN VDE AR-N 4110, 4120 & 4130

Easy Installation

- Pre-installed battery modules
- Mounting on strip foundations

Flexible

- Easily expandable systems
- Parallel connection in AC distribution

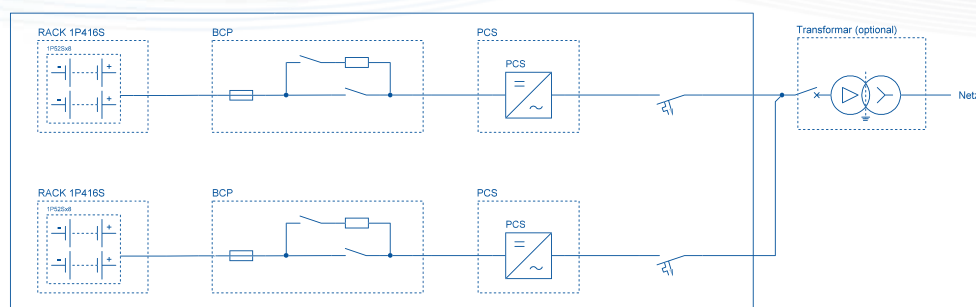
Integrated Fire Suppression System

- Aerosol-based extinguishing system

TECHNICAL DATA

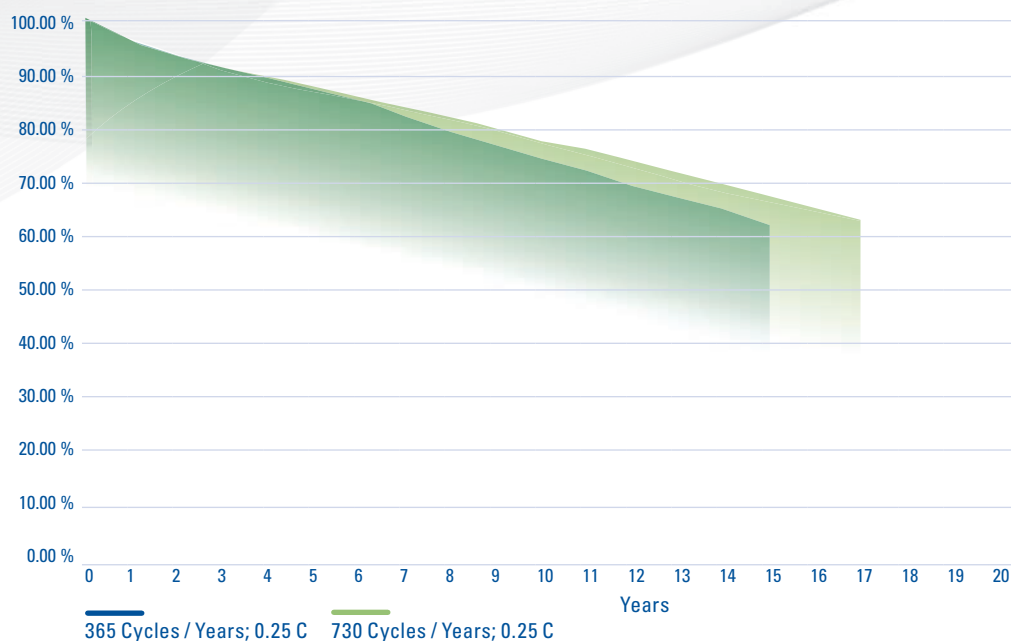
SPECIFICATIONS	L800 Pro V400
Nominal Power of Battery System	215 kW (Optional 249 kW)
Integrated Converter Type	VENCON Battery A200 (max. power 124.6 kVA)
Rated AC Voltage	400 V 50 Hz
Cell Manufacturer	CALB
Cell Technology	LFP (LiFePO4)
Cell Capacity	314 Ah
Module Type	1P52S
Module Capacity	52.25 kWh
Number of Modules	2x8
Rated DC Voltage	1,331.2 V
Min. DC Voltage	1,164.8 V
Max. DC Voltage	1,497.6 V
Max. Depth of Discharge (DOD)	100%
Nominal Capacity	836 kWh
Usable Capacity	836 kWh
C-Rate	≤ 0,25 C (Optional 0,3 C)
Max. Cycles (60% SOH at EOL)	10,950 Cycles
RTE (round trip efficiency) incl. Inverter	89.06 %
Cooling System	Liquid Cooling
Noise Level	< 75 dB(A)
Protection Class	IP55
Max. Installation Altitude	2,000 m
Operation Temperature	-15 °C to 45 °C (Derating > 40 °C)
Max. Ambient Temperature	-30 °C to 55 °C
Storage Temperature (SOC 30-60 %)	0–1 Months: - 10 °C to + 40 °C 1–12 Months: + 5 °C to + 30 °C
Auxiliary Voltage Supply	400 V + 230 V (USV buffered)
Max. Number of Parallel Units	16
Dimensions (WxDxH)	2,350 × 1,600 × 2,430 mm
Weight	7,750 kg
Grid Codes	VDE-AR-N 4110, 4120 & 4130, EN 50549 NTS V2.1 + V1.1
Certificates	UL9540A, UL9540A, UL1973, UN3480, UN38.3, IEC62619, IEC63056, IEC61000-6-2/4, IEC62477-1, UL 1642, UL 1751, IEC 60730, IEC 60529:2013, IEC 62933-5-2, NFPA 855, NFPA 69, NFPA 68
Protection Devices	
AC short-circuit protection	Circuit Breakers
Battery Module Protection	DC Fuse, DC Relay
AC Surge Protection	Type 2
DC Surge Protection	Type 2
Monitoring / Alarm Management	Temperature Sensor, Flue Gas, Flame Gas Detector, Coolant Pressure

VENSTORE L800 Pro V400 (4h)



DEGRADATION

Degradation ≤ 100 % DOD		
	0,25 C	
Year	365 Cycles / Year	730 Cycles / Year
0	100.00 %	100.00 %
1	98.58 %	97.96 %
2	96.74 %	95.52 %
3	94.91 %	93.07 %
4	93.28 %	90.83 %
5	91.65 %	88.59 %
6	90.02 %	86.35 %
7	88.49 %	84.21 %
8	86.96 %	82.07 %
9	85.43 %	80.03 %
10	84.00 %	77.89 %
11	82.58 %	75.85 %
12	81.15 %	73.71 %
13	79.72 %	71.57 %
14	78.30 %	69.23 %
15	76.97 %	66.78 %
16	75.54 %	63.72 %
17	74.22 %	60.00 %
18	72.89 %	
19	71.57 %	
20	70.14 %	
21	68.82 %	
22	67.49 %	
23	66.17 %	
24	64.84 %	
25	63.52 %	





VENSYS Elektrotechnik GmbH

Dieselstraße 12
49356 Diepholz
Germany

T +49 5441 92630-0 F +49 5441 92630-11
sales@vensys-elektrotechnik.de
www.vensys-elektrotechnik.de

Publisher: VENSYS Elektrotechnik GmbH All rights reserved. The content of this document is for information purposes only. Subject to change. VENSYS does not accept responsibility or any kind of guarantee for the accuracy of the information provided. Reproduction, use or distribution not permitted without our prior written consent.

Photos: Adobe Stock, iStock, VENSYS. **Last updated:** July 2026