FOX ESS

DATASHEET

ENERGIEVERSUM

EV.longlifeakku Pro

HIGH VOLTAGE STORAGE BATTERY

The EV.longlifeakku Pro is a high-performance, scalable battery storage system. Its modular design enables maximum flexibility, making it suitable for a wide range of storage applications. Additional batteries can be installed in series, allowing for a maximum storage capacity of 38.7kWh. Installation is easy, with a plug and play solution that can save valuable time for installers.



- 4.3kWh capacity
- Scalable to 38.7kWh
- 100% Depth of Discharge
- Wide operating temperature range
- CAN communication

HIGH VOLTAGE

EASY INSTALLATION

HIGH EFFICIENCY

EXPANDABLE SYSTEM

100% DOD

www.fox-ess.com

TECHNICAL SPECIFICATIONS

MODEL	EV.LONGLIFEAKKU PRO -L2(W)	EV.LONGLIFEAKKU PRO -L3(W)	EV.LONGLIFEAKKU PRO -L4(W)	EV.LONGLIFEAKKU PRO -L5(W)	EV.LONGLIFEAKKU PRO -L6(W)	EV.LONGLIFEAKKU PRO -L7(W)	EV.LONGLIFEAKKU PRO -L8(W)	EV.LONGLIFEAKKU PRO -L9(W)
ELECTRICAL CHARACTERISTICS								
Battery Type	LFP ($LiFePO_4$)							
Battery Module EV.longlifeakku Pro-M(w)	1							
Battery Module EV.longlifeakku Pro-S(w)	1	2	3	4	5	6	7	8
Nominal Energy [kWh]	8.6	12.9	17.2	21.5	25.8	30.1	34.4	38.7
Nominal Voltage [V]	89.6	134.4	179.2	224.0	268.8	313.6	358.4	403.2
Operating Voltage[V]	81.2 ~ 102.2	121.8 ~ 153.3	162.4 ~ 204.4	203.0 ~ 255.5	243.6 ~ 306.6	284.2 ~ 357.7	324.8 ~ 408.8	365.4 ~ 459.9
Recommend Charge/Discharge Current [A]	50							
Max. Charge/Discharge Current [A]*1	50							
Peak Discharge Current (60S) [A]	65							
Battery Pack Round-Trip Efficiency [%]*2	>95							
Depth Of Discharge [%]	100							
Communication	CAN							
Display	EV.longlifeakku Pro-S(w): LED*1, EV.longlifeakku Pro-M(w): LED*6							
Scalability	Max. 9 Modules in Series							
OPERATING CONDITIONS								
Installation Location	Outdoor/ Indoor (Stand)							
Operating Temperature [°C] (warm up function off)	Charge: 0 ~ 55, Discharge: -10 ~ 55							
Operating Temperature [°C] (warm up function on)	Charge: -25 ~ 55, Discharge: -25 ~ 55							
Storage Temperature [°C]	-10 ~ 35							
Cooling Method	Natural Convection							
Humidity [%]	5 ~ 95 (No Condensation)							
Altitude [m]	Max. 3,000							
PROTECTION								
Fire Protection Function	YES							
MECHANICAL CHARACTERISTICS								
Dimensions (W*D*H) [mm]	570*380							
	*386	*524	*662	*800	*938	*1076	*1214	*1352
Weight [kg] (±5%)	85	126	167	208	249	290	331	372
Cell Net Weight [kg] (±5%)	56.6	84.8	113.1	141.4	169.7	198.0	226.2	254.5
CERTIFICATES								
Safety	IEC 62619:2022, EN 62477-1:2012+A1:2017+A12:2021, IEC 624777-1:2022							
EMC	EN IEC 61000-6-1:2019, EN IEC 61000-6-2:2019, EN IEC 610006-3:2021, EN IEC 61000-6-4:2019							
Transportation	UN38.3,ROHS,REACH,WEEE							
Ingress Protection	IP65							

*1 The current is affected by temperature, cell voltage and SOC.

*2 @25°C, 0.3C charging/discharging.