FOX ESS

POWERQ
ENERGY in a NEW LIGHT

DATASHEET

ONLY FOR AIO APPLICATION

EQ4000

HIGH VOLTAGE STORAGE BATTERY



- 3.97kWh capacity
- Scalable to 27.80kWh
- 90% Depth of Discharge
- Large temperature tolerance
- CAN communication
- Voltage Range up to 459.9V

EASY INSTALLATION

HIGH EFFICIENCY

EXPANDABLE SYSTEM

90% DOD

The EQ is a high-performance, scalable battery storage system. The modular design allows for maximum flexibility, making it suitable for a broad range of storage applications.

Additional batteries can be installed in series, allowing for a maximum storage capacity of 27.80kWh. Installation is easy, with a plug and play solution that can save valuable time for installers.



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C SP® US
302680

TECHNICAL SPECIFICATIONS

MODEL	EQ4000-AL2	EQ4000-AL3	EQ4000-AL4	EQ4000-AL5	EQ4000-AL6	EQ4000-AL7
ELECTRICAL CHARACTERISTICS						
Battery Type	LFP ($LiFePO_4$)					
Battery Module	2*EQ4000	3*EQ4000	4*EQ4000	5*EQ4000	6*EQ4000	7*EQ4000
Nominal Capacity [kWh]	7.95	11.92	15.9	19.87	23.85	27.82
Nominal Voltage [V]	115.2	172.8	230.4	288	345.6	403.2
Operating Voltage [V]	97.2 ~ 131.4	145.8 ~ 197.1	194.4 ~ 262.8	243 ~ 328.5	291.6 ~ 394.2	340.2 ~ 459.9
Max. Charge / Discharge Current [A]	50					
Peak Discharge Current [A]	65 @60sec					
Round-trip Efficiency [%]	>95					
Depth of Discharge [%]	90					
Communication	CAN					
Scalability	Max. 7 Modules in Series					
OPERATING CONDITIONS						
Installation Location	Outdoor / Indoor (Stand)					
Operating Temperature [°F / °C] (North America)	-13 ~ +131 / -25 ~ +55 (Derating above 104 / 40)					
Operating Temperature [°F / °C] (Non-North America)	14 ~ +131 / 10 ~ +55 (Derating above 104 / 40)					
Storage Temperature [°F / °C]	-4 ~ +131 / -20 ~ +55					
Cooling Method	Natural Convection					
Humidity [%]	0 ~ 100 (No condensation)					
Max. Altitude [ft / m]	6,560 / 2,000					
MECHANICAL CHARACTERISTICS						
Dimensions[W*H*D][mm]	570*330*380	570*420*380	570*540*380	570*660*380	570*780*380	570*900*380
Dimensions (W*H*D) [inch]	22.4*13.0*15.0	22.4*16.5*15.0	22.4*21.3*15.0	22.4*26.0*15.0	22.4*30.7*15.0	22.4*35.4*15.0
Weight [kg/ lbs]	71.5 / 157.6	106.5 / 234.8	141.5 / 312	176.5 / 389.1	211.5 / 466.3	246.5 / 543.4
CERTIFICATES						
Safety	UL1973, UL9540, UL9540A					
Transportation	UN38.3					
Ingress Protection	IP65					
WARRANTY						
Standard Warranty [year]	12.5*1					

*1 Refer to Fox ESS Battery Warranty Terms and Conditions.

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