

EQ4000

HIGH VOLTAGE STORAGE BATTERY

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.



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



**HIGH
VOLTAGE**



**EASY
INSTALLATION**



**HIGH
EFFICIENCY**



**EXPANDABLE
SYSTEM**



**90%
DOD**

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]	7.94	11.91	15.88	19.85	23.82	27.79
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 (60s) [A]	65					
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.