

Fox ESS ECS BATTERY STORAGE SYSTEM



HIGH VOLTAGE BATTERY FROM Fox ESS

The ECS 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 19.87 kWh. Installation is easy, with a plug and play solution that can save valuable time for installers.



- 3.97 kWh Capacity
- Scalable to 19.87 kWh
- 90% Depth of Discharge
- Wide Temperature Tolerance
- Easy Installation
- CAN Communication
- Voltage Range up to 328.5 V



Simple
Installation



Height
Efficiency



Expandable
System



90%
DoD



ECS SERIES

ECS4000-H2 / H3 / H4 / H5

Model	ECS4000-H2	ECS4000-H3	ECS4000-H4	ECS4000-H5
Electrical Characteristics				
Battery Type	LiFePO ₄ Prismatic Cell			
Battery Module	1*CM4000 1*CS4000	1*CM4000 2*CS4000	1*CM4000 3*CS4000	1*CM4000 4*CS4000
Nominal Capacity (kWh)	7.95	11.92	15.9	19.87
Nominal Voltage (V)	115.2	172.8	230.4	288
Operating Voltage (V)	97.2-131.4	145.8-197.1	194.4-262.8	243-328.5
Max. Charge / Discharge Current (A)	50			
Peak Discharge Current (A)	65A @60sec			
Round-trip Efficiency	>95%			
Depth of Discharge	90%			
Cycle Life*1	≥6000*1			
Communication	CAN			
Display	CS: LED*1, CM: LED*6			
Scalability	Max. 5 Modules in Series			
Operating Conditions				
Installation Location	Outdoor / Indoor (Stand)			
Operating Temperature (°C / °F)	-10 to 55 / 14 to 131			
Storage Temperature (°C / °F)	-20 to 55 / -4 to 131			
Cooling Method	Natural Convection			
Humidity	0% to 100% (No Condensing)			
Altitude (m / ft)	Max. 2,000 / 6,560			
Mechanical Characteristics				
Dimensions (W x H x D)(mm)	570 x 350 x 380	570 x 470 x 380	570 x 590 x 380	570 x 710 x 380
Dimensions (W x H x D)(inch)	22.4 x 13.8 x 15.0	22.4 x 18.5 x 15.0	22.4 x 23.2 x 15.0	22.4 x 28.0 x 15.0
Weight (kg/ lbs)	73.5 / 161.7	108.4 / 238.5	143.3 / 315.3	178.2 / 392
Certificates				
Safety	UL1973, UL9540, UL9540A			
Transportation	UN38.3			
Ingress Protection	IP65			
Warranty				
Standard Warranty (Year)	Standard 12.5 years*2			

*1 25°C(77°F), @90% DOD, 0.5C charging/discharging

*2 Refer to FoxESS Battery Warranty Terms and Conditions

