

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

- 4.03 kWh Capacity
- Scalable to 28.21 kWh
- 90% Depth of Discharge
- Wide Temperature Tolerance
- Easy Installation
- CAN/RS485 Communication
- High Voltage



High Voltage

Easy Installation

High Efficiency

Expandable System

90% DoD

Fox ESS

ECS SERIES

ECS4100-H2/H3/H4/H5/H6/H7

| Model | ECS4100 -H2 | ECS4100 -H3 | ECS4100 -H4 | ECS4100 -H5 | ECS4100 -H6 | ECS4100 -H7 |
|--|---------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| ELECTRICAL CHARACTERISTICS | | | | | | |
| Battery Type | LiFePO4 Prismatic Cell | | | | | |
| Battery Module | 1*CM4100 1*CS4100 | 1*CM4100 2*CS4100 | 1*CM4100 3*CS4100 | 1*CM4100 4*CS4100 | 1*CM4100 5*CS4100 | 1*CM4100 6*CS4100 |
| Nominal Capacity [Wh] | 8060 | 12090 | 16120 | 20150 | 24180 | 28210 |
| 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 |
| Recommend Discharge Current [A] | 35 | | | | | |
| Max. Charge/Discharge Current [A] | 50 | | | | | |
| Peak Discharge Current [A] | 65 @60sec | | | | | |
| Battery Pack Round-Trip Efficiency [%] | >95 | | | | | |
| Depth of discharge [%] | 90 | | | | | |
| Cycle Life* ¹ | ≥6000 | | | | | |
| Communication | CAN, RS485 | | | | | |
| Display | CS: LED*1, CM: LED*6 | | | | | |
| Scalability | Max. 7 Modules in Series | | | | | |
| OPERATING CONDITIONS | | | | | | |
| Installation Location | Outdoor/ Indoor (Stand) | | | | | |
| Operating Temperature [°C]* ² | Charge: 0 ~ 55 Discharge: -10 ~ 55 | | | | | |
| Storage Temperature [°C] | -20 ~ 55 | | | | | |
| Cooling method | Natural Convection | | | | | |
| Humidity [%] | 5 ~ 95 (No Condensing) | | | | | |
| Altitude [m] | Max. 2,000 | | | | | |
| MECHANICAL CHARACTERISTICS | | | | | | |
| Dimensions (W*H*D) [mm] | 570*350*380 | 570*470*380 | 570*590*380 | 570*710*380 | 570*830*380 | 570*950*380 |
| Weight [kg] | 75.5 | 111.1 | 146.7 | 182.3 | 217.9 | 253.5 |
| CERTIFICATES | | | | | | |
| Safety | IEC 62619 | | | | | |
| EMC | EN IEC 61000-6-1/2/3/4 | | | | | |
| Transportation | UN38.3 | | | | | |
| Ingress Protection | IP65 | | | | | |

*1, 25°C, @90% DOD, 0.5C charging/discharging.

*2, Charge derating will occur between 0°C and +15°C.

