DATASHEET

ECS SERIES

ECS4300H-H2/H3/H4/H5/H6/H7

# 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 batterie can be installed in series, allowing for a maximum storage capacity of 29.03kWh. Installation is easy, with a plug and play solution that can save valuable time for installers.

- 4.14kWh capacity
- Scalable to 29.03 kWh
- 90% Depth of Discharge
- Large temperature tolerance
- Easy installation
- CAN communication
- High voltage

High Voltage | Simple Installation | High Efficiency | Expandable System | 90% DoD

# Fox ESS

## ECS SERIES
## ECS4300H-H2/H3/H4/H5/H6/H7

| Model | ECS4300H -H2 | ECS4300H -H3 | ECS4300H -H4 | ECS4300H -H5 | ECS4300H -H6 | ECS4300H -H7 |
|---|---|---|---|---|---|---|
| **ELECTRICAL CHARACTERISTICS** | | | | | | |
| Battery Type | LiFePO4 Prismatic Cell | | | | | |
| Battery Module | 1*CM4300H<br>1*CS4300H | 1*CM4300H<br>2*CS4300H | 1*CM4300H<br>3*CS4300H | 1*CM4300H<br>4*CS4300H | 1*CM4300H<br>5*CS4300H | 1*CM4300H<br>6*CS4300H |
| Nominal Capacity [Wh] | 8290 | 12440 | 16590 | 20740 | 24880 | 29030 |
| 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 | | | | | |
| 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<br>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*366*380 | 570*494*380 | 570*622*380 | 570*750*380 | 570*878*380 | 570*1006*380 |
| Weight [kg] | 78.5 | 115.5 | 152.5 | 189.5 | 226.5 | 263.5 |
| **Certificates** | | | | | | |
| Safety | IEC 62619 | | | | | |
| EMC | 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.