



ECS4800

HIGH VOLTAGE STORAGE BATTERY



- 4.66kWh capacity
- Scalable to 32.61kWh
- 90% Depth of Discharge
- Large temperature tolerance
- CAN communication



HIGH
VOLTAGE



EASY
INSTALLATION



HIGH
EFFICIENCY



EXPANDABLE
SYSTEM



90%
DOD

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 32.61kWh. Installation is easy, with a plug and play solution that can save valuable time for installers.



For more information about the Fox ESS range, visit:
www.fox-ess.com



TECHNICAL SPECIFICATIONS

| MODEL | ECS4800 -H2 | ECS4800 -H3 | ECS4800 -H4 | ECS4800 -H5 | ECS4800 -H6 | ECS4800 -H7 |
|--|---------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| ELECTRICAL CHARACTERISTICS | | | | | | |
| Battery Type | LiFePO4 Prismatic Cell | | | | | |
| Battery Module | 1*CM4800 1*CS4800 | 1*CM4800 2*CS4800 | 1*CM4800 3*CS4800 | 1*CM4800 4*CS4800 | 1*CM4800 5*CS4800 | 1*CM4800 6*CS4800 |
| Nominal Capacity [Wh] | 9320 | 13980 | 18640 | 23300 | 27960 | 32610 |
| Nominal Voltage [V] | 89.6 | 134.4 | 179.2 | 224 | 268.8 | 313.6 |
| Operating Voltage [V] | 81.2 ~ 103 | 121.8 ~ 154.5 | 162.4 ~ 206 | 203 ~ 257.6 | 243.6 ~ 309.1 | 284.2 ~ 360.6 |
| Recommend Discharge Current [A] | 30 | | | | | |
| 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]** | Charge: 0 ~ 55 Discharge: -10 ~ 55 | | | | | |
| Storage Temperature [°C] | -10 ~ 35 | | | | | |
| Cooling method | Natural Convection | | | | | |
| Humidity [%] | 5 ~ 95 (No Condensing) | | | | | |
| Altitude [m] | Max. 2,000 | | | | | |
| MECHANICAL CHARACTERISTICS | | | | | | |
| Dimensions (W*H*D) [mm] | 570*386*380 | 570*524*380 | 570*662*380 | 570*800*380 | 570*938*380 | 570*1076*380 |
| Weight [kg] | 83.5 | 122.5 | 161.5 | 200.5 | 239.5 | 278.5 |
| 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.

