

Fox ESS EQ BATTERY STORAGE SYSTEM



HIGH VOLTAGE BATTERY FROM Fox ESS

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

- 4.66kWh capacity
- Scalable to 41.93 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

EQ SERIES

EQ4800-L2/L3/L4/L5/L6/L7/L8/L9

| MODEL | EQ4800 -L2 | EQ4800 -L3 | EQ4800 -L4 | EQ4800 -L5 | EQ4800 -L6 | EQ4800 -L7 | EQ4800 -L8 | EQ4800 -L9 |
|---|---------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ELECTRICAL CHARACTERISTICS | | | | | | | | |
| Battery Type | LiFePO4 | | | | | | | |
| Battery Module | 1*EQ4800-M 1*EQ4800-S | 1*EQ4800-M 2*EQ4800-S | 1*EQ4800-M 3*EQ4800-S | 1*EQ4800-M 4*EQ4800-S | 1*EQ4800-M 5*EQ4800-S | 1*EQ4800-M 6*EQ4800-S | 1*EQ4800-M 7*EQ4800-S | 1*EQ4800-M 8*EQ4800-S |
| Nominal Voltage [V] | 89.6 | 134.4 | 179.2 | 224.0 | 268.8 | 313.6 | 358.4 | 403.2 |
| Nominal Energy [kWh] | 9.32 | 13.98 | 18.64 | 23.30 | 27.96 | 32.61 | 37.27 | 41.93 |
| Operating Voltage[V] | 81.2 ~ 103.0 | 121.8 ~ 154.5 | 162.4 ~ 206.0 | 203.0 ~ 257.6 | 243.6 ~ 309.1 | 284.2 ~ 360.6 | 324.8 ~ 412.2 | 365.4 ~ 463.7 |
| Normal capacity [Ah] | 104 | | | | | | | |
| Recommend Charge/Discharge Current [A] | 30 | | | | | | | |
| Max.Charge/Discharge Current [A] ² | 50 | | | | | | | |
| Peak Discharge Current(60S) [A] | 65 | | | | | | | |
| Battery Pack Round-Trip Efficiency [%] ¹ | >95 | | | | | | | |
| Depth Of Discharge [%] | 90 | | | | | | | |
| Cycle Life ¹ | ≥6000 | | | | | | | |
| Communication | CAN | | | | | | | |
| Display | EQ4800-S: LED*1, EQ4800-M: LED*6 | | | | | | | |
| Scalability | Max. 9 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 | 570*1214*380 | 570*1352*380 |
| Weight [kg] | 83.5 | 122.5 | 161.5 | 200.5 | 239.5 | 278.5 | 317.5 | 356.5 |
| CERTIFICATES | | | | | | | | |
| Safety | IEC 62619 | | | | | | | |
| EMC | EN IEC 61000-6-1/2/3/4 | | | | | | | |
| Transportation | UN38.3 | | | | | | | |
| Ingress Protection | IP65 | | | | | | | |
| WARRANTY | | | | | | | | |
| Standard Warranty [year] ³ | 10 ³ | | | | | | | |

*1, @25°C, @70% SOH, @90% DOD, 0.3C charging/discharging.

*2, The current is affected by temperature ,cell voltage and SOC.

*3, Refer to Fox ESS Battery Warranty Terms and Conditions.