

# 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<br>-L2                         | EQ4800<br>-L3            | EQ4800<br>-L4            | EQ4800<br>-L5            | EQ4800<br>-L6            | EQ4800<br>-L7            | EQ4800<br>-L8            | EQ4800<br>-L9            |
|---|---------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <b>ELECTRICAL CHARACTERISTICS</b>                   |                                       |                          |                          |                          |                          |                          |                          |                          |
| Battery Type  | LiFePO4                               |                          |                          |                          |                          |                          |                          |                          |
| Battery Module                                      | 1*EQ4800-M<br>1*EQ4800-S              | 1*EQ4800-M<br>2*EQ4800-S | 1*EQ4800-M<br>3*EQ4800-S | 1*EQ4800-M<br>4*EQ4800-S | 1*EQ4800-M<br>5*EQ4800-S | 1*EQ4800-M<br>6*EQ4800-S | 1*EQ4800-M<br>7*EQ4800-S | 1*EQ4800-M<br>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] <sup>2</sup>       | 50                                    |                          |                          |                          |                          |                          |                          |                          |
| Peak Discharge Current(60S) [A]                     | 65                                    |                          |                          |                          |                          |                          |                          |                          |
| Battery Pack Round-Trip Efficiency [%] <sup>1</sup> | >95                                   |                          |                          |                          |                          |                          |                          |                          |
| Depth Of Discharge [%]                              | 90                                    |                          |                          |                          |                          |                          |                          |                          |
| Cycle Life <sup>1</sup>                             | ≥6000                                 |                          |                          |                          |                          |                          |                          |                          |
| Communication                                       | CAN                                   |                          |                          |                          |                          |                          |                          |                          |
| Display   | EQ4800-S: LED*1, EQ4800-M: LED*6      |                          |                          |                          |                          |                          |                          |                          |
| Scalability   | Max. 9 Modules in Series              |                          |                          |                          |                          |                          |                          |                          |
| <b>OPERATING CONDITIONS</b>                         |                                       |                          |                          |                          |                          |                          |                          |                          |
| Installation Location                               | Outdoor/ Indoor (Stand)               |                          |                          |                          |                          |                          |                          |                          |
| Operating Temperature [°C]                          | Charge: 0 ~ 55<br>Discharge: -10 ~ 55 |                          |                          |                          |                          |                          |                          |                          |
| Storage Temperature [°C]                            | -10 ~ 35                              |                          |                          |                          |                          |                          |                          |                          |
| Cooling method                                      | Natural Convection                    |                          |                          |                          |                          |                          |                          |                          |
| Humidity [%]  | 5 ~ 95 (No Condensing)                |                          |                          |                          |                          |                          |                          |                          |
| Altitude [m]  | Max. 2,000                            |                          |                          |                          |                          |                          |                          |                          |
| <b>MECHANICAL CHARACTERISTICS</b>                   |                                       |                          |                          |                          |                          |                          |                          |                          |
| 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                    |
| <b>CERTIFICATES</b>                                 |                                       |                          |                          |                          |                          |                          |                          |                          |
| Safety  | IEC 62619                             |                          |                          |                          |                          |                          |                          |                          |
| EMC   | EN IEC 61000-6-1/2/3/4                |                          |                          |                          |                          |                          |                          |                          |
| Transportation                                      | UN38.3                                |                          |                          |                          |                          |                          |                          |                          |
| Ingress Protection                                  | IP65                                  |                          |                          |                          |                          |                          |                          |                          |
| <b>WARRANTY</b>                                     |                                       |                          |                          |                          |                          |                          |                          |                          |
| Standard Warranty [year] <sup>3</sup>               | 10 <sup>3</sup>                       |                          |                          |                          |                          |                          |                          |                          |

\*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.