



# EQ4800

HIGH VOLTAGE STORAGE BATTERY



- 4.66kWh capacity
- Scalable to 41.93kWh
- 100% Depth of Discharge
- Large temperature tolerance
- CAN communication



HIGH  
VOLTAGE



EASY  
INSTALLATION



HIGH  
EFFICIENCY



EXPANDABLE  
SYSTEM



100%  
DOD

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 41.93kWh. 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](http://www.fox-ess.com)



## TECHNICAL SPECIFICATIONS

| 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            |
|------------------------------------------------------|---------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ELECTRICAL CHARACTERISTICS                           |                                       |                          |                          |                          |                          |                          |                          |                          |
| Battery Type                                         | LFP (LiFePO <sub>4</sub> )            |                          |                          |                          |                          |                          |                          |                          |
| 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 Power [kW]                                   | 4.48                                  | 6.72                     | 8.96                     | 11.20                    | 13.44                    | 15.68                    | 17.92                    | 20.16                    |
| Nominal Energy [kWh]                                 | 9.32                                  | 13.98                    | 18.64                    | 23.30                    | 27.96                    | 32.61                    | 37.27                    | 41.93                    |
| Usable Capacity [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 [%]                               | 100                                   |                          |                          |                          |                          |                          |                          |                          |
| Cycle Life <sup>*1</sup>                             | ≥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<br>Discharge: -10 ~ 55 |                          |                          |                          |                          |                          |                          |                          |
| Storage Temperature [°C]                             | -10 ~ 35                              |                          |                          |                          |                          |                          |                          |                          |
| Cooling method                                       | Natural Convection                    |                          |                          |                          |                          |                          |                          |                          |
| Humidity [%]                                         | 5 ~ 95 (No Condensing)                |                          |                          |                          |                          |                          |                          |                          |
| Altitude [m]                                         | Max. 3,000                            |                          |                          |                          |                          |                          |                          |                          |
| 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] <sup>**</sup>               | 10 <sup>*3</sup>                      |                          |                          |                          |                          |                          |                          |                          |
| MANUFACTURE                                          |                                       |                          |                          |                          |                          |                          |                          |                          |
| Country of Origin                                    | China                                 |                          |                          |                          |                          |                          |                          |                          |

\*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.

