



# EQ5000

HIGH VOLTAGE STORAGE BATTERY



- 4.92kWh capacity
- Scalable to 29.52kWh
- 90% Depth of Discharge
- Large temperature tolerance
- CAN communication



HIGH  
VOLTAGE



EASY  
INSTALLATION



HIGH  
EFFICIENCY



EXPANDABLE  
SYSTEM



90%  
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 29.52kWh. 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                                  | EQ5000<br>-L2                         | EQ5000<br>-L3            | EQ5000<br>-L4            | EQ5000<br>-L5            | EQ5000<br>-L6            |
|--|---------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <b>ELECTRICAL CHARACTERISTICS</b>      |                                       |                          |                          |                          |                          |
| Battery Type                           | LiFePO4 Prismatic Cell                |                          |                          |                          |                          |
| Battery Module                         | 1*EQ5000-M<br>1*EQ5000-S              | 1*EQ5000-M<br>2*EQ5000-S | 1*EQ5000-M<br>3*EQ5000-S | 1*EQ5000-M<br>4*EQ5000-S | 1*EQ5000-M<br>5*EQ5000-S |
| Nominal Capacity [kWh]                 | 9.84                                  | 14.76                    | 19.68                    | 24.60                    | 29.52                    |
| Nominal Voltage [V]                    | 128                                   | 192                      | 256                      | 320                      | 384                      |
| Operating Voltage [V]                  | 116 ~ 146                             | 174 ~ 219                | 232 ~ 292                | 290 ~ 365                | 348 ~ 438                |
| Recommend Discharge Current [A]        | 38.5                                  |                          |                          |                          |                          |
| Max. Charge/Discharge Current [A]      | 50                                    |                          |                          |                          |                          |
| Peak Discharge Current [A]             | 65 @60sec                             |                          |                          |                          |                          |
| Battery Pack Round-Trip Efficiency [%] | >95                                   |                          |                          |                          |                          |
| Depth of discharge [%]                 | 90                                    |                          |                          |                          |                          |
| Cycle Life**                           | ≥6000                                 |                          |                          |                          |                          |
| Communication                          | CAN                                   |                          |                          |                          |                          |
| Display                                | CS: LED*1, CM: LED*6                  |                          |                          |                          |                          |
| Scalability                            | Max. 6 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 ~ 50                              |                          |                          |                          |                          |
| Cooling method                         | Natural Convection                    |                          |                          |                          |                          |
| Humidity [%]                           | 5 ~ 95 (No Condensing)                |                          |                          |                          |                          |
| Altitude [m]                           | Max. 2,000                            |                          |                          |                          |                          |
| <b>MECHANICAL CHARACTERISTICS</b>      |                                       |                          |                          |                          |                          |
| Dimensions (W*H*D) [mm]                | 570*375*380                           | 570*510*380              | 570*645*380              | 570*780*380              | 570*915*380              |
| Weight [kg]                            | 97.2                                  | 140.7                    | 184.2                    | 227.7                    | 271.2                    |
| <b>CERTIFICATES</b>                    |                                       |                          |                          |                          |                          |
| 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.

