

# EQ5000

## HIGH VOLTAGE STORAGE BATTERY

The EQ is a high-performance, scalable battery storage system. Its modular design enables maximum flexibility, making it suitable for a wide 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.



- 4.92kWh capacity
- Scalable to 29.52kWh
- 90% Depth of Discharge
- Wide operating temperature range
- CAN communication



**HIGH  
VOLTAGE**



**EASY  
INSTALLATION**



**HIGH  
EFFICIENCY**



**EXPANDABLE  
SYSTEM**



**90%  
DOD**



[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            |
|------------------------------------------------------------|---------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ELECTRICAL CHARACTERISTICS                                 |                                       |                          |                          |                          |                          |
| Battery Type                                               | LFP (LiFePO <sub>4</sub> )            |                          |                          |                          |                          |
| 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 Energy [kWh]                                       | 9.84                                  | 14.76                    | 19.68                    | 24.60                    | 29.52                    |
| Nominal Voltage [V]                                        | 128.0                                 | 192.0                    | 256.0                    | 320.0                    | 384.0                    |
| Operating Voltage [V]                                      | 116.0 ~ 146.0                         | 174.0 ~ 219.0            | 232.0 ~ 292.0            | 290.0 ~ 365.0            | 348.0 ~ 438.0            |
| Recommend Discharge Current [A]                            | 38.5                                  |                          |                          |                          |                          |
| Max. Charge/Discharge Current [A]*1                        | 50                                    |                          |                          |                          |                          |
| Peak Discharge Current (60s) [A]                           | 65                                    |                          |                          |                          |                          |
| Battery Pack Round-Trip Efficiency [%]                     | >95                                   |                          |                          |                          |                          |
| Depth of Discharge [%]                                     | 90                                    |                          |                          |                          |                          |
| Communication                                              | CAN                                   |                          |                          |                          |                          |
| Display                                                    | EQ5000-S: LED*1, EQ5000-M: LED*6      |                          |                          |                          |                          |
| Scalability                                                | Max. 6 Modules in Series              |                          |                          |                          |                          |
| OPERATING CONDITIONS                                       |                                       |                          |                          |                          |                          |
| Installation Location                                      | Outdoor/ Indoor                       |                          |                          |                          |                          |
| Operating Temperature [°C]                                 | Charge: 0 ~ 55, Discharge: -10 ~ 55   |                          |                          |                          |                          |
| Operating Temperature [°C] (warm up function on, optional) | Charge: -25 ~ 55, Discharge: -25 ~ 55 |                          |                          |                          |                          |
| Storage Temperature [°C]                                   | -10 ~ 50                              |                          |                          |                          |                          |
| Cooling Method                                             | Natural Convection                    |                          |                          |                          |                          |
| Humidity [%]                                               | 5 ~ 95 (No Condensation)              |                          |                          |                          |                          |
| Altitude [m]                                               | Max. 3,000                            |                          |                          |                          |                          |
| PROTECTION                                                 |                                       |                          |                          |                          |                          |
| Fire Protection Function                                   | YES                                   |                          |                          |                          |                          |
| MECHANICAL CHARACTERISTICS                                 |                                       |                          |                          |                          |                          |
| Dimensions (W*H*D) [mm]                                    | 570*380*380                           | 570*515*380              | 570*650*380              | 570*785*380              | 570*920*380              |
| Weight [kg]                                                | 86                                    | 127                      | 168                      | 209                      | 250                      |
| Cell Net Weight [kg]                                       | 56.3                                  | 84.5                     | 112.6                    | 140.8                    | 168.9                    |
| CERTIFICATES                                               |                                       |                          |                          |                          |                          |
| Safety                                                     | IEC 62619                             |                          |                          |                          |                          |
| EMC                                                        | IEC 61000-6-1/2/3/4                   |                          |                          |                          |                          |
| Transportation                                             | UN38.3                                |                          |                          |                          |                          |
| Ingress Protection                                         | IP65                                  |                          |                          |                          |                          |

\*1 The current is affected by temperature, cell voltage and SOC.