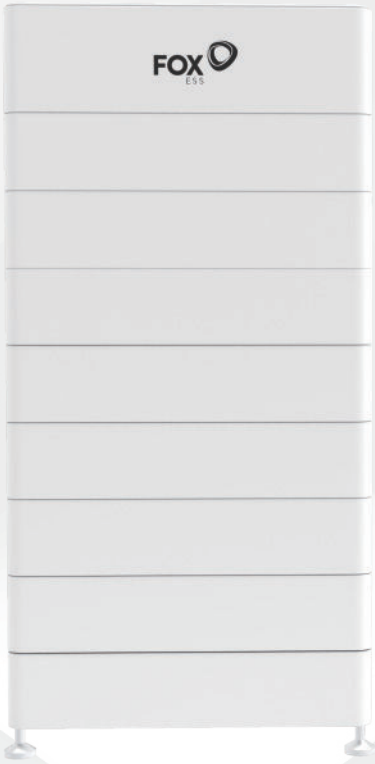
DATASHEET

# EQ5500

HIGH VOLTAGE STORAGE BATTERY



- 5.46kWh capacity
- Scalable to 49.14kWh
- 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.

For more information about the Fox ESS range, visit:
au.fox-ess.com

## TECHNICAL SPECIFICATIONS

| MODEL | EQ5500 -L2 | EQ5500 -L3 | EQ5500 -L4 | EQ5500 -L5 | EQ5500 -L6 | EQ5500 -L7 | EQ5500 -L8 | EQ5500 -L9 |
|---|---|---|---|---|---|---|---|---|
| **ELECTRICAL CHARACTERISTICS** | | | | | | | | |
| Battery Type | LFP ($LiFePO_4$) | | | | | | | |
| Battery Module | 1*EQ5500-M 1*EQ5500-S | 1*EQ5500-M 2*EQ5500-S | 1*EQ5500-M 3*EQ5500-S | 1*EQ5500-M 4*EQ5500-S | 1*EQ5500-M 5*EQ5500-S | 1*EQ5500-M 6*EQ5500-S | 1*EQ5500-M 7*EQ5500-S | 1*EQ5500-M 8*EQ5500-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] | 10.92 | 16.38 | 21.84 | 27.30 | 32.76 | 38.22 | 43.68 | 49.14 |
| Usable Capacity [kWh] | 10.92 | 16.38 | 21.84 | 27.30 | 32.76 | 38.22 | 43.68 | 49.14 |
| Operating Voltage[V] | 81.2 ~ 102.2 | 121.8 ~ 153.3 | 162.4 ~ 204.4 | 203.0 ~ 255.5 | 243.6 ~ 306.6 | 284.2 ~ 357.7 | 324.8 ~ 408.8 | 365.4 ~ 459.9 |
| Nominal Capacity [Ah] | 122 | | | | | | | |
| Recommend Charge/Discharge Current [A] | 50 | | | | | | | |
| Max. Charge/Discharge Current [A]*1 | 50 | | | | | | | |
| Peak Discharge Current (60S) [A] | 65 | | | | | | | |
| Battery Pack Round-Trip Efficiency [%] | >95 | | | | | | | |
| Depth Of Discharge [%] | 100 | | | | | | | |
| Communication | CAN | | | | | | | |
| Display | EQ5500-S: LED*1, EQ5500-M: LED*6 | | | | | | | |
| Scalability | Max. 9 Modules in Series | | | | | | | |
| **OPERATING CONDITIONS** | | | | | | | | |
| Installation Location | Outdoor/ Indoor (Floor Mount) | | | | | | | |
| Operating Temperature [°C] | Charge: 0 ~ 55, Discharge: -10 ~ 55 | | | | | | | |
| Storage Temperature [°C] | -10 ~ 35 | | | | | | | |
| Cooling Method | Natural Convection | | | | | | | |
| Humidity [%] | 5 ~ 95 (No Condensation) | | | | | | | |
| 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] | 85 | 126 | 167 | 208 | 249 | 290 | 331 | 372 |
| **CERTIFICATES** | | | | | | | | |
| Safety | IEC 62619 | | | | | | | |
| EMC | EN IEC 61000-6-1/2/3/4 | | | | | | | |
| Transportation | UN38.3 | | | | | | | |
| Ingress Protection | IP65 | | | | | | | |
| **WARRANTY** | | | | | | | | |
| Standard Warranty [year]*2 | 10 | | | | | | | |
| **MANUFACTURE** | | | | | | | | |
| Country of Manufacture | China | | | | | | | |

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

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