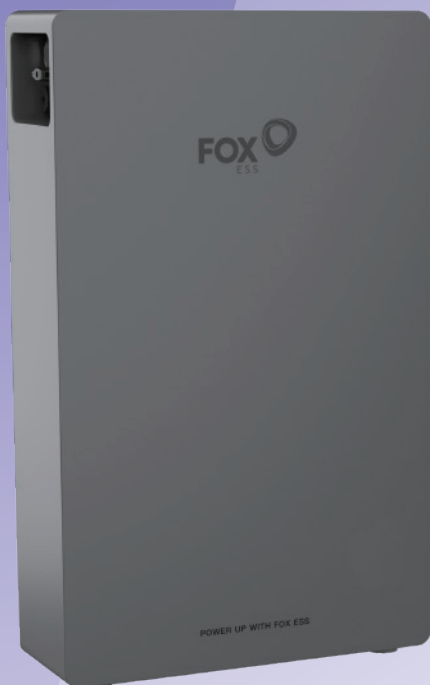


# EK5

## HIGH VOLTAGE STORAGE BATTERY

The EK5 is a high-performance, scalable battery storage system. Its modular design allows for maximum flexibility, making it suitable for a broad range of storage applications. Additional batteries can be installed in parallel allowing for a maximum storage capacity of 20.8kWh.



- Scalable to 20.8kWh
- 90% Depth of Discharge
- Floor or Wall Mounting
- Compact & Easy Installation
- IP65 Protection Level



**HIGH  
VOLTAGE**



**EASY  
INSTALLATION**



**HIGH  
EFFICIENCY**



**EXPANDABLE  
SYSTEM**



**90%  
DOD**



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TECHNICAL SPECIFICATIONS

| SYSTEM NAME                                                |                                       | EK5 |
|------------------------------------------------------------|---------------------------------------|-----|
| ELECTRICAL CHARACTERISTICS                                 |                                       |     |
| Battery Type                                               | LFP (LiFePO <sub>4</sub> )            |     |
| Nominal Energy [kWh]                                       | 5.18                                  |     |
| Nominal Voltage [V]                                        | 192.0                                 |     |
| Operating Voltage [V]                                      | 174.0 ~ 219.0                         |     |
| Max. Charge/Discharge Current [A] <sup>*1</sup>            | 27                                    |     |
| Recommend Charge Current [A]                               | 13.5                                  |     |
| Peak Discharge Current [A]                                 | 65 @60s                               |     |
| Peak Charge Current [A]                                    | 32.4 @5s                              |     |
| Battery Pack Round-Trip Efficiency [%] <sup>*2</sup>       | ≥95                                   |     |
| Depth of Discharge [%]                                     | 90                                    |     |
| Communication                                              | CAN                                   |     |
| Display                                                    | LED*5                                 |     |
| Scalability                                                | Max. 4 Units in Parallel              |     |
| OPERATING CONDITIONS                                       |                                       |     |
| Installation Location                                      | Outdoor/ Indoor                       |     |
| Operating Temperature [°C] <sup>*3</sup>                   | Charge: 0 ~ 55, Discharge: -10 ~ 55   |     |
| Operating Temperature [°C] (warm up function on, optional) | Charge: -25 ~ 55, Discharge: -25 ~ 55 |     |
| Storage Temperature [°C]                                   | 0 ~ 35                                |     |
| 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]                                    | 380*625*147                           |     |
| Weight [kg] (±5%)                                          | 50.5                                  |     |
| Cell Net Weight [kg] (±5%)                                 | 33.6                                  |     |
| CERTIFICATES                                               |                                       |     |
| Safety                                                     | IEC62619                              |     |
| EMC                                                        | EN IEC 61000-6-1/2/3/4                |     |
| Transportation                                             | UN38.3                                |     |
| Ingress Protection                                         | IP65                                  |     |

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

\*2 @25°C, 0.3C charging/discharging.

\*3 Charge and discharge power reduction applies at low temperatures.