



# EK12

HIGH VOLTAGE STORAGE BATTERY



- Scalable to 46.08kWh
- 90% Depth of Discharge
- Floor or Wall Mounting
- Compact & Easy Installation
- IP65 Protection Level
- High Voltage and High Efficiency



SAFETY  
RELIABLE



EASY  
INSTALLATION



HIGH  
EFFICIENCY



EXPANDABLE  
SYSTEM



90%  
DOD

The EK12 is a high-performance, scalable battery storage system, 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 46.08kWh.



For more information about the Fox ESS range, visit:  
[www.fox-ess.com](http://www.fox-ess.com)



## TECHNICAL SPECIFICATIONS

| SYSTEM NAME                            | EK12                                  |
|----------------------------------------|---------------------------------------|
| ELECTRICAL CHARACTERISTICS             |                                       |
| Compatible PCS                         | All Series of H1, KH, H3, H3-Pro, US  |
| Battery Type                           | LFP (LiFePO <sub>4</sub> )            |
| Nominal Energy [kWh]                   | 11.52                                 |
| Nominal Voltage [V]                    | 384                                   |
| Operating Voltage [V]                  | 348 ~ 438                             |
| Max.Charge/Discharge Current [A]*1     | 30                                    |
| Recommend Charge Current [A]           | 15                                    |
| Peak Discharge Current [A]             | 65 @60s                               |
| Peak Charge Current [A]                | 36 @5s                                |
| Battery Pack Round-Trip Efficiency [%] | ≥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]             | Charge: 0 ~ 55<br>Discharge: -10 ~ 55 |
| Storage Temperature [°C]               | -10 ~ 40                              |
| Cooling Method                         | Natural Convection                    |
| Humidity [%]                           | 5 ~ 95 (No Condensation)              |
| Altitude [m]                           | Max. 3,000                            |
| MECHANICAL CHARACTERISTICS             |                                       |
| Dimensions (W*H*D) [mm]                | 710*640*185                           |
| Weight [kg]                            | 98                                    |
| 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.