

## ESS EP5

HIGH VOLTAGE STORAGE BATTERY  
**From Exelon**



The EP5 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 20.8kwh.

- Scalable to 20.8 kWh
- 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**

# EXELON EP5

HIGH VOLTAGE STORAGE BATTERY

| SYSTEM NAME                            | EP5                                   |
|--|---------------------------------------|
| <b>ELECTRICAL CHARACTERISTICS</b>      |                                       |
| Compatible PCS                         | All Series of H1, KH, H3, H3-Pro, US  |
| Battery Type                           | LifePO4 Prismatic Cell                |
| Nominal Energy [kWh]                   | 5.18                                  |
| Nominal Voltage [V]                    | 192                                   |
| Operating Voltage [V]                  | 174 ~ 219                             |
| Max.Charge/Discharge Current [A]*1     | 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 [%] | ≥95                                   |
| Depth of Discharge [%]                 | 90                                    |
| Cycle Life                             | ≥4000                                 |
| Communication                          | CAN                                   |
| Display                                | LED*5                                 |
| Scalability                            | Max. 4 Units in Parallel              |
| <b>OPERATING CONDITIONS</b>            |                                       |
| Installation Location                  | Outdoor/ Indoor                       |
| Operating Temperature [°C]             | Charge: 0 ~ 55<br>Discharge: -10 ~ 55 |
| Storage Temperature [°C]               | 0~35                                  |
| Cooling Method                         | Natural Convection                    |
| Humidity [%]                           | 5 ~ 95 (No Condensing)                |
| Altitude [m]                           | Max. 2,000                            |
| <b>MECHANICAL CHARACTERISTICS</b>      |                                       |
| Dimensions (W*H*D) [mm]                | 380*625*147                           |
| Weight [kg]                            | 50.5±2                                |
| <b>CERTIFICATES</b>                    |                                       |
| Safety                                 | IEC62619                              |
| EMC                                    | EN IEC 61000-6-1/3                    |
| Transportation                         | UN38.3                                |
| Ingress Protection                     | IP65                                  |

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