



# CQ16

HIGH VOLTAGE STORAGE BATTERY



- Scalable to 241.05kWh
- 90% Depth of Discharge
- Floor Mounting
- Easy installation
- IP20 Protection Level
- High Voltage and High Efficiency
- Intelligent air cooling control



SAFETY  
RELIABLE



EASY  
INSTALLATION



HIGH  
EFFICIENCY



EXPANDABLE  
SYSTEM



90%  
DOD

The CQ16 is a high-performance, scalable battery storage system, allowing for maximum flexibility and making it suitable for a broad range of energy storage applications.



- Scalable from 64.28kWh to 241.05 kWh
- One CQ BOX is required for each battery system



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

TECHNICAL SPECIFICATIONS

| MODEL                                  | CQ16                                |
|----------------------------------------|-------------------------------------|
| Nominal Voltage [Vdc]                  | 51.2                                |
| Operating Voltage [Vdc]                | 46.4 ~ 58.4                         |
| Nominal Capacity [Ah]                  | 314                                 |
| Nominal Capacity [kWh]                 | 16.07                               |
| Max. Charge/Discharge Current [A]      | 240                                 |
| Recommend Discharge Current [A]        | 157                                 |
| Peak Discharge Current [A]             | 470 @60S                            |
| Battery Pack Round-Trip Efficiency [%] | >92                                 |
| Depth of Discharge [%]                 | 90                                  |
| Storage Temperature [°C]               | -10 ~ 50                            |
| Operating Temperature [°C]             | Charge: 0 ~ 55, Discharge: -10 ~ 55 |
| Humidity [%]                           | 5 ~ 95 (No Condensation)            |
| Cycle Life                             | 6000 cycles, 0.5C 90%DOD,@70%SOH    |
| Communication                          | CAN                                 |
| Display                                | Battery: LED*1, BOX: LED*6          |
| Scalability                            | Max. 15 Modules in Series           |
| Installation Location                  | Indoor                              |
| Altitude [m]                           | 3000                                |
| Cooling Method                         | Intelligent air cooling             |
| Ingress Protection                     | IP20                                |
| Dimension (W*H*D) [mm]                 | 390*235*810                         |
| Weight Approximate [kg]                | 128                                 |
| Safety                                 | IEC 62619                           |
| EMC                                    | IEC 61000-6-1/2/3/4                 |
| Transportation                         | UN38.3                              |
| Rated Energy Range [kWh]               | 64.28 ~ 241.05                      |

\*Note: Min. 4 batteries per system