DATASHEET

ENERGY CUBE

ECS2900-H2/H3/H4/H5/H6/H7

# FOX ENERGY CUBE
# BATTERY STORAGE SYSTEM

## HIGH VOLTAGE BATTERY FROM FOX

The Energy cube 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.

Additional batteries can be installed in series, allowing for a maximum storage capacity of 20.16kWh. Installation is easy, with a plug and play solution that can save valuable time for installers.

- 2.88kWh capacity
- Scalable to 20.16 kWh
- 90% Depth of Discharge
- Large temperature tolerance
- Easy installation
- CAN/RS485 communication
- High voltage

**High Voltage** | **Simple Installation** | **Height Efficiency** | **Expandable System** | **90% DoD**

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# FOX

## ENERGY CUBE
## ECS2900-H2/H3/H4/H5/H6/H7

| Model | ECS2900-H2 | ECS2900-H3 | ECS2900-H4 | ECS2900-H5 | ECS2900-H6 | ECS2900-H7 |
|---|---|---|---|---|---|---|
| **ELECTRICAL CHARACTERISTICS** | | | | | | |
| Battery Type | LiFePO4 Prismatic Cell | | | | | |
| Battery Module | 1*CM2900<br>1*CS2900 | 1*CM2900<br>2*CS2900 | 1*CM2900<br>3*CS2900 | 1*CM2900<br>4*CS2900 | 1*CM2900<br>5*CS2900 | 1*CM2900<br>6*CS2900 |
| Nominal Capacity[Wh] | 5760 | 8640 | 11520 | 14400 | 17280 | 20160 |
| Nominal Voltage [V] | 115.2 | 172.8 | 230.4 | 288 | 345.6 | 403.2 |
| Operating Voltage[V] | 97.2 - 131.4 | 145.8 - 197.1 | 194.4 - 262.8 | 243 - 328.5 | 291.6 - 394.2 | 340.2 - 459.9 |
| Recommend Discharge Current [A] | 25 | | | | | |
| Max.Charge/Discharge Current [A] | 50 | | | | | |
| Peak Discharge Current [A] | 65A @30sec | | | | | |
| Battery Pack Round-Trip Efficiency | >95% | | | | | |
| Depth of discharge | 90% | | | | | |
| Cycle Life | ≥6000*1 | | | | | |
| Communication | CAN, RS485 | | | | | |
| Display | CS: LED*1, CM: LED*7 | | | | | |
| Scalability | Max. 7 Modules in Series | | | | | |
| **OPERATING CONDITIONS** | | | | | | |
| Installation Location | Outdoor/ Indoor (Stand) | | | | | |
| Operating Temperature [°C] | -10 - 55 | | | | | |
| Storage Temperature [°C] | -20 - 55 | | | | | |
| Cooling method | Natural Convection | | | | | |
| Humidity | 0% to 100% (No Condensing) | | | | | |
| Altitude [m] | Max. 2,000 | | | | | |
| **Mechanical Characteristics** | | | | | | |
| Dimensions (W*H*D) (mm) | 570*350*380 | 570*470*380 | 570*590*380 | 570*710*380 | 570*830*380 | 570*950*380 |
| Weight (kg) | 67.1 | 99.5 | 131.9 | 164.3 | 196.7 | 229.1 |
| **Certificates** | | | | | | |
| Safety | IEC 62619 | | | | | |
| EMC | EN IEC 61000-6-1/2/3/4 | | | | | |
| Transportation | UN38.3 | | | | | |
| Ingress Protection | IP65 | | | | | |

*1 25℃, @90% DOD, 0.5C charging/discharging