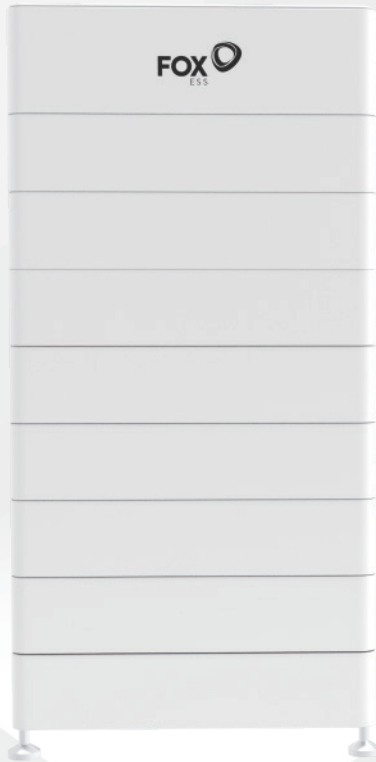




CQ7 V6+

HIGH VOLTAGE STORAGE BATTERY



- 6.96kWh capacity
- Scalable to 97.44kWh
- 100% Depth of Discharge
- Large temperature tolerance
- CAN communication



HIGH
VOLTAGE



EASY
INSTALLATION



HIGH
EFFICIENCY



EXPANDABLE
SYSTEM



100%
DOD

The CQ7 V6+ 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 97.44kWh. Installation is easy, with a plug and play solution that can save valuable time for installers.



For more information about the Fox ESS range, visit:
www.fox-ess.com



TECHNICAL SPECIFICATIONS

| MODEL | CQ7 V6+ -L6 | CQ7 V6+ -L7 | CQ7 V6+ -L8 | CQ7 V6+ -L9 | CQ7 V6+ -L10 | CQ7 V6+ -L11 | CQ7 V6+ -L12 |
|--|--|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|
| | CQ7 V6+ -L6 (w) | CQ7 V6+ -L7 (w) | CQ7 V6+ -L8 (w) | CQ7 V6+ -L9 (w) | CQ7 V6+ -L10 (w) | CQ7 V6+ -L11 (w) | CQ7 V6+ -L12 (w) |
| ELECTRICAL CHARACTERISTICS | | | | | | | |
| Battery Type | LFP (LiFePO ₄) | | | | | | |
| Battery Module [CQ7 V6+-M/CQ7 V6+-M (w)]* | 1 | | | | | | |
| Battery Module [CQ7 V6+-S/CQ7 V6+-S (w)]* | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Nominal Capacity [kWh] | 41.76 | 48.72 | 55.68 | 62.64 | 69.60 | 76.56 | 83.52 |
| Usable Capacity [kWh] | 41.76 | 48.72 | 55.68 | 62.64 | 69.60 | 76.56 | 83.52 |
| Nominal Voltage [V] | 345.6 | 403.2 | 460.8 | 518.4 | 576.0 | 633.6 | 691.2 |
| Nominal Power [kW] | 27.65 | 32.26 | 36.86 | 41.47 | 46.08 | 50.69 | 55.30 |
| Operating Voltage [V] | 313.2 ~ 788.4 | | | | | | |
| Max. Charge/Discharge Current [A] ^{*1} | 80 | | | | | | |
| Battery Pack Round-Trip Efficiency [%] ^{*2} | >95 | | | | | | |
| Depth of Discharge [%] | 100 | | | | | | |
| Communication | CAN | | | | | | |
| Display | CQ7 V6+-S/CQ7 V6+-S (w): LED*1, CQ7 V6+-M/CQ7 V6+-M (w): LED*6 | | | | | | |
| Scalability | Only starting 6 battery modules | | | | | | |
| OPERATING CONDITIONS | | | | | | | |
| Installation Location | Outdoor/ Indoor (Stand) | | | | | | |
| Operating Temperature [°C] | Charge: 0 ~ 55, Discharge: -10 ~ 55 | | | | | | |
| Operating Temperature [°C] (warm up function on, optional) ^{*3} | Charge: -25 ~ 55, Discharge: -25 ~ 55 | | | | | | |
| Storage Temperature [°C] | -10 ~ 50 | | | | | | |
| Cooling Method | Natural Convection | | | | | | |
| Humidity [%] | 5 ~ 95 (No Condensation) | | | | | | |
| Altitude [m] | Max. 3,000 | | | | | | |
| PROTECTION | | | | | | | |
| Fire Protection Function | YES | | | | | | |
| MECHANICAL CHARACTERISTICS | | | | | | | |
| Dimensions (W*D*H) [mm] | 660*360 | | | | | | |
| | *1040 | *1195 | *1350 | *1505 | *1660 | *1815 | *1970 |
| Weight [kg] (±5%) | 307.5 | 358.0 | 408.5 | 459.0 | 509.5 | 560.0 | 610.5 |
| CERTIFICATES | | | | | | | |
| Safety | IEC 62619 | | | | | | |
| EMC | IEC 61000-6-1/2/3/4 | | | | | | |
| Transportation | UN38.3 | | | | | | |
| Ingress Protection | IP65 | | | | | | |
| MANUFACTURE | | | | | | | |
| Country of Manufacture | China | | | | | | |

*CQ7 V6+-S/CQ7 V6+-S (w) is the battery module, and CQ7 V6+-M/CQ7 V6+-M (w) includes system controller and battery module. CQ7 V6+-M/CQ7 V6+-M (w) contains the controller of the entire system, so each system must have 1 CQ7 V6+-M/CQ7 V6+-M (w). Ensure that each system has only 1 CQ7 V6+-M/CQ7 V6+-M (w) and a maximum of 11 CQ7 V6+-S/CQ7 V6+-S (w).

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

*2, @25°C, 0.3C charging/discharging.

*3, Warm up function is available for CQ7 V6+-L6 (w), CQ7 V6+-L7 (w), CQ7 V6+-L8 (w), CQ7 V6+-L9 (w), CQ7 V6+-L10 (w), CQ7 V6+-L11 (w), CQ7 V6+-L12 (w).