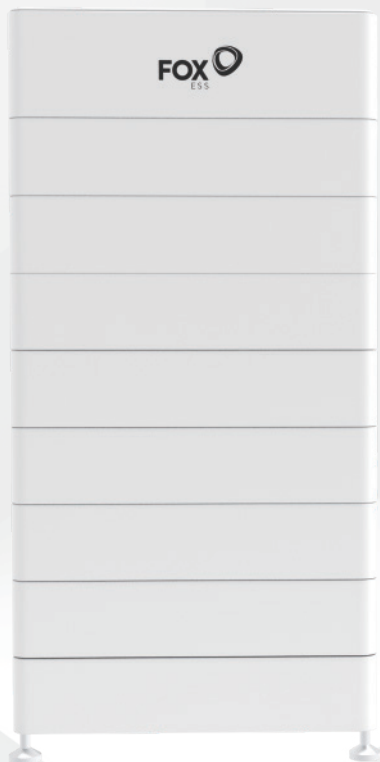




CQ7

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 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		-L2	-L3	-L4	-L5	-L6	-L7	CQ7		-L8	-L9	-L10	-L11	-L12	-L13	-L14
ELECTRICAL CHARACTERISTICS																
Battery Type		LFP (LiFePO ₄)														
Battery Module (CQ7-M)		1														
Battery Module (CQ7-S)		1	2	3	4	5	6	7	8	9	10	11	12	13		
Nominal Capacity [kWh]		13.92	20.88	27.84	34.80	41.76	48.72	55.68	62.64	69.60	76.56	83.52	90.48	97.44		
Usable Capacity [kWh]		13.92	20.88	27.84	34.80	41.76	48.72	55.68	62.64	69.60	76.56	83.52	90.48	97.44		
Nominal Voltage [V]		115.2	172.8	230.4	288.0	345.6	403.2	460.8	518.4	576.0	633.6	691.2	748.8	806.4		
Nominal Power [kW]	50A	5.76	8.64	11.52	14.40	17.28	20.16	23.04	25.92	28.80	31.68	34.56	37.44	40.32		
	80A	9.22	13.82	18.43	23.04	27.65	32.26	36.86	41.47	46.08	50.69	55.30	59.90	64.51		
Operating Voltage [V]		104.4 ~ 919.8														
Max. Charge/Discharge Current [A] ^{*1}		50 / 80														
Battery Pack Round-Trip Efficiency [%] ^{*2}		>95														
Depth of Discharge [%]		100														
Communication		CAN														
Display		CQ7-S: LED*1, CQ7-M: LED*6														
Scalability		Max. 14 Modules in Series														
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														
		*420	*575	*730	*885	*1040	*1195	*1350	*1505	*1660	*1815	*1970	*2125	*2280		
Weight [kg] (±5%)		1028	1516	200.4	249.2	298.0	346.8	395.6	444.4	493.2	542.0	590.8	639.6	688.4		
CERTIFICATES																
Safety		IEC 62619														
EMC		IEC 61000-6-1/2/3/4														
Transportation		UN38.3														
Ingress Protection		IP65														
MANUFACTURE																
Country of Manufacture		China														

*1 Max. 50A charge/discharge current is available for CQ7-50-L2-14 and CQ7-50-L2-14 (w).
Max. 80A charge/discharge current is available for CQ7-L2-14 and CQ7-L2-14 (w).
*2 @25°C, 0.3C charging/discharging.
*3 Warm up function is available for CQ7-50-L2-14 (w), CQ7-L2-14 (w).