



DATASHEET



# CQ6

HIGH VOLTAGE STORAGE BATTERY



- 5.99kWh capacity
- Scalable to 83.86kWh
- 90% Depth of Discharge
- Large temperature tolerance
- CAN communication



HIGH VOLTAGE



EASY  
INSTALLATION



HIGH  
EFFICIENCY



EXPANDABLE  
SYSTEM



90%  
DOD

The CQ6 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 83.86kWh. 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](http://www.fox-ess.com)



## TECHNICAL SPECIFICATIONS

MODEL	-L2	-L3	-L4	-L5	-L6	-L7	CQ6		-L8	-L9	-L10	-L11	-L12	-L13	-L14
<strong>ELECTRICAL CHARACTERISTICS</strong>															
Battery Type							LFP (LiFePO <sub>4</sub> )								
Battery Module (CQ6-M)							1								
Battery Module (CQ6-S)	1	2	3	4	5	6	7	8	9	10	11	12	13		
Nominal Capacity [kWh]	11.98	17.97	23.96	29.95	35.94	41.93	47.92	53.91	59.90	65.89	71.88	77.87	83.86		
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		
Operating Voltage [V]							104.4 ~ 919.8								
Recommend Charge/Discharge Current [A]							50								
Max. Charge/Discharge Current [A]							100								
Peak Discharge Current [A]							110 @60sec								
Battery Pack Round-Trip Efficiency [%]*2							>95								
Depth of discharge [%]							90								
Cycle Life*1							≥6000								
Communication							CAN								
Display							CQ6-S: LED*1, CQ6-M: LED*6								
Scalability							Max. 14 Modules in Series								
<strong>OPERATING CONDITIONS</strong>															
Installation Location							Outdoor/ Indoor (Stand)								
Operating Temperature [°C]*3							Charge: 0 ~ 55 Discharge: -10 ~ 55								
Storage Temperature [°C]							-10 ~ 50								
Cooling method							Natural Convection								
Humidity [%]							5 ~ 95 (No Condensation)								
Altitude [m]							Max. 3,000								
<strong>MECHANICAL CHARACTERISTICS</strong>															
Dimensions (W*D*H) [mm]							660*360								
	*420	*575	*730	*885	*1040	*1195	*1350	*1505	*1660	*1815	*1970	*2125	*2280		
Weight [kg] (±5%)	105.2	155.2	205.2	255.2	305.2	355.2	405.2	455.2	505.2	555.2	605.2	655.2	705.2		
<strong>CERTIFICATES</strong>															
Safety							IEC 62619								
EMC							IEC 61000-6-1/2/3/4								
Transportation							UN38.3								
Ingress Protection							IP65								

\*1 @25°C, @70% SOH, @90% DOD.

\*2 @25°C, 0.3C charging/discharging.

\*3 The current is affected by temperature, cell voltage, and SOC.

\*4 Refer to Fox ESS battery warranty terms and conditions.