



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:
au.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).