

CQ6

HIGH VOLTAGE STORAGE BATTERY

The CQ6 is a high-performance, scalable battery storage system. Its modular design allows for maximum flexibility, making it suitable for a wide range of storage applications. Additional batteries can be installed in series, allowing for a maximum storage capacity of 83.86 kWh. Installation is simple, featuring a plug and play solution that saves valuable time for installers.



- 5.99kWh capacity
- Scalable to 83.86kWh
- 90% Depth of Discharge
- Wide operating temperature range
- CAN communication



**HIGH
VOLTAGE**



**EASY
INSTALLATION**



**HIGH
EFFICIENCY**



**EXPANDABLE
SYSTEM**



**90%
DOD**



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TECHNICAL SPECIFICATIONS

MODEL	CQ6												
	-L2	-L3	-L4	-L5	-L6	-L7	-L8	-L9	-L10	-L11	-L12	-L13	-L14
ELECTRICAL CHARACTERISTICS													
Battery Type	LFP (LiFePO ₄)												
Battery Module (CQ6-M)	1												
Battery Module (CQ6-S)	1	2	3	4	5	6	7	8	9	10	11	12	13
Nominal Energy [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]* ¹	100												
Peak Discharge Current (60s) [A]	110												
Battery Pack Round-Trip Efficiency [%]* ²	>95												
Depth of Discharge [%]	90												
Communication	CAN												
Display	CQ6-S: LED*1, CQ6-M: LED*6												
Scalability	Max. 14 Modules in Series												
OPERATING CONDITIONS													
Installation Location	Outdoor/ Indoor (Stand)												
Operating Temperature [°C]* ³	Charge: 0 ~ 55, Discharge: -10 ~ 55												
Operating Temperature [°C] (warm up function on, optional)	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%)	102.8	151.6	200.4	249.2	298.0	346.8	395.6	444.4	493.2	542.0	590.8	639.6	688.4
Cell Net Weight [kg] (±5%)	69.7	104.5	139.3	174.2	209.0	243.8	278.6	313.5	348.3	383.1	418.0	452.8	487.6
CERTIFICATES													
Safety	IEC 62619												
EMC	IEC 61000-6-1/2/3/4												
Transportation	UN38.3												
Ingress Protection	IP65												

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

*2 @25°C, 0.3C charging/discharging.

*3 Charge and discharge power reduction applies at low temperatures.