FOX ESS

DATASHEET

CQ16

HIGH VOLTAGE STORAGE BATTERY

The CQ16 is a high-performance, scalable battery storage system designed for maximum flexibility, making it suitable for a wide range of energy storage applications.



- Scalable from 64.28kWh to 241.05 kWh
- One CQ BOX is required for each battery system
- 90% Depth of Discharge
- Floor Mounting
- IP20 Protection Level
- Intelligent air cooling control

HIGH VOLTAGE

EASY INSTALLATION

HIGH EFFICIENCY

EXPANDABLE SYSTEM

90% DOD

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TECHNICAL SPECIFICATIONS

MODEL	CQ BOX
Rated Energy Range [kWh]	64.28 ~ 241.05
Operating Voltage Range [Vdc]	101 ~ 1000
Max. Charge/Discharge Current [A]*1	240
Current Measurement Range [A]	-240 ~ +240
Total Voltage Measurement Accuracy [%FSR]	±0.5
Charge/Discharge Efficiency [%]	>92
Communication	CAN
Operating Temperature [°C]*2	Charge: 0 ~ 55, Discharge: -10 ~ 55
Storage Temperature [°C]	-10 ~ 55
Humidity [%]	5 ~ 95 (No Condensation)
Dimensions (W*H*D) [mm]	390*235*810
Weight [kg] (±5%)	29

MODEL	CQ16
Nominal Energy [kWh]	16.07
Nominal Voltage [Vdc]	51.2
Operating Voltage [Vdc]	46.4 ~ 58.4
Recommend Charge/Discharge Current [A]	157
Max. Charge/Discharge Current [A]*1	240
Peak Discharge Current [A]	470 @60S
Depth of Discharge [%]	90
Display	Battery: LED*1, BOX: LED*6
Scalability	Max. 15 Modules in Series
Installation Location	Indoor
Operating Temperature [°C]*2	Charge: 0 ~ 55, Discharge: -10 ~ 55
Storage Temperature [°C]	-10 ~ 50
Humidity [%]	5 ~ 95 (No Condensation)
Altitude [m]	Max. 3000
Cooling Method	Intelligent air cooling
Warming Function	No
Fire Protection Function	Yes
Dimension (W*H*D) [mm]	390*235*810
Weight Approximate [kg] (±5%)	115
Cell Net Weight [kg] (±5%)	88.8
Safety	IEC 62619
EMC	IEC 61000-6-1/2/3/4
Transportation	UN38.3
Ingress Protection	IP20

* Min. 4 batteries per system.

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

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