

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**



TECHNICAL SPECIFICATIONS

MODEL	CQ BOX
Operating Voltage Range [Vdc]	101 ~ 1000
Max. Charge/Discharge Current [A]	240/240
Total Voltage Measurement Accuracy [%FSR]	±0.5
Current Measurement Range [A]	-240 ~ +240
Communication Interfaces	CAN
Charge/Discharge Efficiency [%]	>92
Dimensions (W*H*D) [mm]	390*235*810
Weight [kg]	29±1
Operating Temperature [°C]	Charge: 0 ~ 55, Discharge: -10 ~ 55
Storage Temperature [°C]	-10 ~ 55
Humidity [%]	5 ~ 95
Rated Energy Range [kWh]	64.28 ~ 241.05

MODEL	CQ16
Nominal Voltage [Vdc]	51.2
Operating Voltage [Vdc]	46.4 ~ 58.4
Nominal Capacity [Ah]	314
Nominal Energy [kWh]	16.07
Max. Charge/Discharge Current [A]	240
Recommend Discharge Current [A]	157
Peak Discharge Current [A]	470 @60S
Depth of Discharge [%]	90
Storage Temperature [°C]	-10 ~ 50
Operating Temperature [°C]	Charge: 0 ~ 55, Discharge: -10 ~ 55
Humidity [%]	5 ~ 95 (No Condensation)
Display	Battery: LED*, BOX: LED*6
Scalability	Max. 15 Modules in Series
Installation Location	Indoor
Altitude [m]	3000
Cooling Method	Intelligent air cooling
Ingress Protection	IP20
Fire Protection Function	Yes
Warming Function	No
Dimension (W*H*D) [mm]	390*235*810
Weight Approximate [kg]	128
Cell Net Weight [kg]	88.8
Safety	IEC 62619
EMC	IEC 61000-6-1/2/3/4
Transportation	UN38.3

* Min. 4 batteries per system