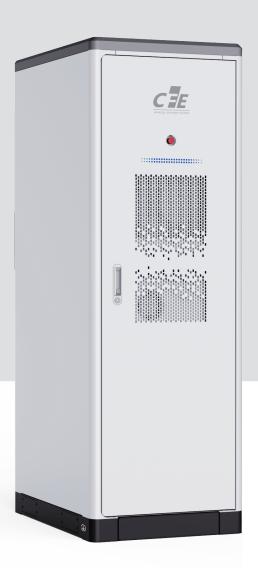
# C&I ESS CFE-DC100MA





# **Application Scenarios**

Platform Capacity increase / Industrial & Commercial Companies / Data Center Campus Storage / Commercial Buildings Large Industrial / Movable Storage



### **Efficient and Flexible**

• LiFePO4 battery storage system, two-layer battery management system.



#### **Intelligent Temperature Control**

• Intelligent temperature control + centre-mounted industrial air-conditioning design, more uniform temperature up and down, achieving the ultimate temperature control between the battery cells, effectively extending battery life by more than 20%.



#### **Safe and Secure**

• IP54 protection degree outdoor cube, consists of accessories, including air-cooling equipment, power distribution, fire control, etc.



## **Efficient Management**

 Energy management system includes cloud system & local management machine, PCS data collection and other related devices.

Model	CFE-DC100MA
Battery Type	LiFePO4 (3.2V 100Ah)
Capacity	102.4kWh
Capacity	200Ah
Module Configuration	2P16S*10
Usable Energy	93kWh
Size	770*1125*2200
Battery Voltage	512V
Voltage Range	450-585V
Max. Discharge Power	60kW
Charge and Discharge Rate	0.5C
IP Level	IP54
Communication Method	CAN
Protection Mode	Triple Hardware Protection
Battery Protection	Over-Current/ Over-Voltage/ Short Circuit/ Under-Voltage/ Over-Temperature
Protective Class	I
Charging Temperature Range	0~+45℃
Discharging Temperature Range	-10 ~ +45°C
Humidity	0-95%RH (No condensed water)
Altitude	≤2000m
Installation Method	Outdoor
Cooling Type	Smart air-cooling
Cycle Life	≥6000 Cycle (@25±2°C, 0.5C/0.5C,80%DOD)
Safety Certificate	UN3480
Inverter Protocols Supported	Deye/SOSEN
Weight	850kg