

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°C
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

CF Energy Co., Ltd.

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