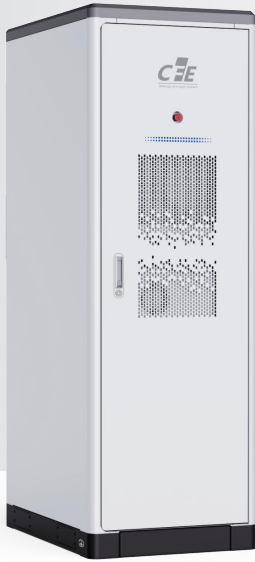


C&I ESS CFE-DC100MA



Application Scenarios

Factories / Data centres / Campuses / Commercial buildings / Mobile 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, Balanced airflow and centre-mounted industrial air - conditioning help maintain uniform cell temperatures and Balanced airflow with centre-mounted industrial air - conditioning maintains uniform cell temperatures and reduces thermal gradients, extending battery life.



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
Cell Type	LiFePO4 (3.2 V 100 Ah)
Total Energy	102.4 kWh
Capacity	200 Ah
Module Configuration	2P16S × 10
Usable Energy	93 kWh
Size (W × D × H)	770.5 × 1,121 × 2,193 mm
Battery Voltage	512 V
Voltage Range	464 - 584 V
Max. Discharge Power	60 kW
Charge and Discharge Rate	0.5 C
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
Charge Operating Temperature	0 to 45 °C
Discharge Operating Temperature	-10 to 45 °C
Humidity	0 - 95% RH (non-condensing)
Altitude	≤2000m
Installation Method	Outdoor
Cooling Type	Intelligent forced-air cooling
Cycle Life	≥6,000 cycles (@25 ± 2 °C, 0.5C / 0.5C, 80% DoD)
Transport	UN38.3 (tested); UN3480 as applicable
Inverter Protocols Supported	Deye / SOSEN
Weight	850 kg