



All In One Large Scale Microgrid System

C&I All-In-One ESS Battery+PCS+MPPT+Generator Port

High Efficiency, Safety, Reliability

- ▶ No transformer design, higher system efficiency · Complete thermal management, fault detection and protection functions
- ▶ Wide AC grid voltage range · Built-in BMS, PCS, MPPT and EMS, multi-level software and hardware protection
- ▶ Intelligent air cooling, energy saving · secondary fire extinguishing system
- ▶ Series battery, no circulating current, save the battery capacity

Flexible Application

- ▶ Modular design, flexible configuration, small footprint · The power module supports "N + 1" redundancy
- ▶ Integrated design, easy installation and maintenance

Fully Functional

- ▶ Active power / reactive power adjustment responds quickly
- ▶ Built-in STS, support uninterrupted grid-connection / off-grid transmission
- ▶ Standard EMS function, peak shifting and valley filling, virtual amplification, EPS, new energy generation absorption

Model	FC261
Battery Parameters	
Battery Type	LiFePO4
Number of Battery Packs	5
Rated Voltage	832V
Capacity	314Ah
Voltage Range	728~923V
Rated Energy	261kWh
Max. Continuous Charging	157A
Max. Discharging Current	314A
Discharge Depth	90%
Cycle Life	8000 Cycles
PV Parameters	
Max. PV Input Power	120kW
Rated Input Voltage	600V
Max. Input Voltage	850VDC
MPPT Voltage Range	200~850VDC
PV Input Current	50A*8
AC Side Parameters	
AC Rated Output Power	125kVA
AC Max. Output Power	125kVA
AC Max. Output Current	314A
Output Voltage	3L/N/PE; 230/400V
Frequency	50/60Hz
Equivalent Voltage Transformer	Option (default no transformer) xx
THDi	≤3%
STS Function	Have (switching time) < 10ms
System parameters	
Dimension W*D*H	1800*1250*2000/W2550*D1300*H2000mm
Weight	About 3,350 kg
Communication	CAN/RS485
Extinguishing And Protection	Pack level + Cabinet level
Expand	Support for capacity expansion of 1,075 kWh
Case Protection Grade	IP54
Cooling	Air Cooling / Liquid Cooling
Ambient Temperature	-30~60°C
Humidity	0%~100%RH
Altitude	<2000m

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