



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	10
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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