



C&I ESS Micro-Grid Applicable Modular Solution | All-in-One

Key Features



MODULAR DESIGN

- 250kW/430kWh
- Up to 5 in parallel



ALL-IN-ONE

- Inverter+Battery
- +Fire Protection
- +Air Conditioner



TOP GRADE BATTERY

- **EVE** >6000 cycles



CUSTOMIZABLE

- Scalable: EV Charger / Solar Inverter

PARAMETER

PARAMETERS

System Parameter				
Model	BSC-C10250K0430K-GS	BSC-C10250K0430K-GS	BSC-C10250K0430K-GS	BSC-C10250K0430K-GS
Rated power	50kW	100kW	150kW	250kW
AC overload capacity	55kVA	110kVA	165kVA	275kVA
Rated electric quantity	100~430kWh			
Permissible grid voltage	400V (± 15%) AC			
Rated frequency	50/60 (± 2.5) Hz			
Power factor	0.99/-1~1			
DC voltage range	500~850Vdc			600~900Vdc
System comprehensive efficiency	91.50%			
Basic Parameters				
Isolation transformer	Yes			
STS	Yes			No
Cooling method	forced air cooling			
Noise	<75dB			
Protection grade	IP55			
Maximum altitude	3000m(Derating above 3000 meters)			
Operating temperature range	-30℃ ~ 55℃			
Relative humidity	5 ~95% No condensation			
Size	(L × W × H) : 2991 × 2438 × 2596 (mm)			
Weight	about 7T			
Communicate				
Communication interface	RS 485, Ethernet, CAN			
Communication protocol	Modbus TCP/RTU, IEC104			
Authentication				
Certification report	IEC62619/ IEC62477/ IEC61000/UN38.3			



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C&I ESS CD-50 Micro-Grid Applicable Outdoor Cabinet | All-in-One

Key Features



HIGHLY INTEGRATED

- PV, Battery storage, Diesel generator, Power grid
- Small Floor Area required
- Easy installation



FLEXIBLE CONFIGURATION

- Easy parallel connection, flexible configuration
- Support PV controller expansion



INTELLIGENT COLLABORATION

- Intelligent temperature control
- Multiple modes and strategies
- Strong three-phase unbalanced load capacity during off-grid



SAFE & SECURE

- Highly impact resistance
- Precise firefighting system to each pack
- IP55 for Outdoor

PARAMETER

PARAMETERS

System Parameter	
Model	BSC-CD20050K0200K-GS
Rated power	50kW
AC overload capacity	400Vac
Rated electric quantity	200.7kWh
Permissible grid voltage	627.2V~784V
Rated frequency	1000V
Power factor	60/120kWp
DC voltage range	250-850Vdc
System comprehensive efficiency	450-850Vdc
Basic Parameters	
Isolation transformer	Yes
STS	Yes
Cooling method	forced air cooling
Noise	<70dB
Protection grade	IP55
Maximum altitude	3000m(Derating above 3000 meters)
Operating temperature range	-30°C ~ 55°C
Relative humidity	5 ~95% No condensation
Size	2130 × 2250 × 1400
Weight	About 3Ton
Communicate	
Communication interface	BMS: RS 485, CAN EMS:RS485, TCP/IP
Communication protocol	Modbus TCP/RTU, IEC104

