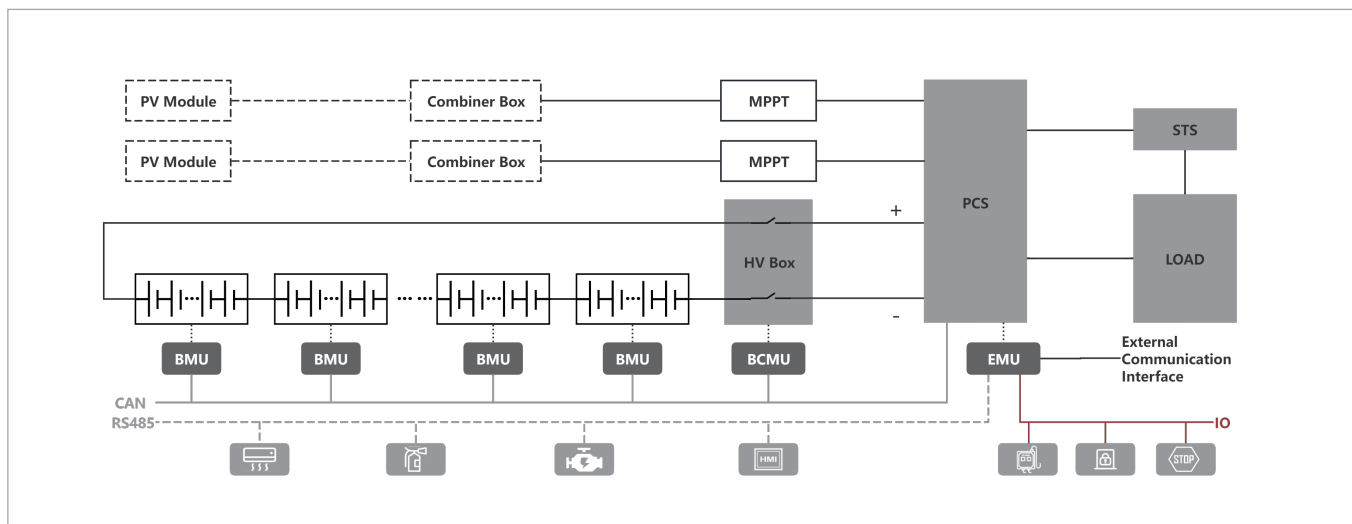


CE2-105PG Micro-Grid ESS



- 0–200kW Flexible Photovoltaic Configuration
- Integrated PV-ESS-DG Synergy Strategy
- Max. 100% DOD, Life Cycle 8000+
- Breathing Detection + Redundant Analysis
- $\leq 20\text{ms}$ Seamless Switching
- 65dB Low Noise Operation
- -30 to $+55^\circ\text{C}$ Wide-Temperature Operation
- Standard C5 High Anti-Corrosion Degree
- Support 1MWh Parallel Operation

CIRCUIT DIAGRAM



PARAMETER

PARAMETERS

Product Model	BSC-CE2-0105K0215K-M2B0S	BSC-CE2-0105K0215K-M4B0S	BSC-CE2-0105K0200K-M2B0S
DC Parameters			
Battery Cell	LFP 3.2V/280Ah		
Rated Charge/Discharge Current	140A		
Charge/Discharge Ratio	0.5P		
Configuration	240S1P	240S1P	224S1P
Rated Energy	215kWh	215kWh	200kWh
Rated Voltage	768V	768V	716.8V
Voltage Range	680~864V	680~864V	680~806V
AC Parameters			
Rated Power	105kW	105kW	100kW
Max. Power	115kW	115kW	110kW
Max. Current	167A	167A	158A
Wiring Method	3P+N+PE		
AC Voltage	400V		
AC Voltage Range	-15%~15%		
Rated Grid Frequency	50/60Hz		
Power Factor	-1 (leading) ~ 1 (lagging)		
MPPT Controller Parameters			
Max. Power	55kW*2	55kW*4	55kW*2
Max. Input Current	100A*2	100A*4	100A*2
Max. Output Current	80A*2	80A*4	80A*2
Input Voltage	250~650V	250~650V	250~650V
Output Voltage	680~864V	680~864V	680~806V
System Parameters			
On/Off-grid Switching Device	STS		
On/Off-grid Switching Time	≤20ms		
Noise	65dB		
IP Class	IP55		
Anti-corrosion Degree	C5		
Allowable Altitude	3000m (>2000m derating)		
Allowable Ambient Temperature	-30°C~55°C (>45°C derating)		
Allowable Relative Humidity	0%~95% (no condensation)		
Cooling Method	Air-cooling		
Fire Protection System	Aerosol + water fire protection		
Communication Protocols	MQTT, IEC104, Modbus TCP/IP		
Dimension (W*H*D)	1680*2250*1250mm		
Weight	≈2750kg	≈2785kg	≈2650kg



BESCORE NEW ENERGY TECHNOLOGY (QINGDAO) CO.,LTD.

Address: Block A, International Innovation Park, Keyuan Weiyi Road, Laoshan District, Qingdao, Shandong, China

Tel: (086)-0532-88036767

Website: www.bescore-ess.com