



CD2-50/100 PV&DG ESS

Key Features



HIGH INTEGRATED

- All-In-One Design Concept
- High Space Utilization, Small Footprint
- Easy Transportation & Installation



FLEXIBLE CONFIGURATION

- Flexible Energy Management and Response
- Supporting 4 Parallel Machines
- PV, Diesel Generator (Grid), Load



ULTIMATE SAFETY

- Comprehensive Safety Monitoring of Cells
- Intelligent Thermal Management
- Redundant Fire Protection Design



INTELLIGENT COLLABORATION

- Rural Electrification, Emergency Backup
- Peak Shaving & Valley Filling
- Cloud Platform + Cloud Monitoring + Fault Diagnosis

PARAMETER

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Item	Parameter	
Model	BSC-CD2-0050K0200K-GS	BSC-CD2-0100K0200K-GS
Rated Power	50kW	100kW
Rated Energy	200kWh	
On-grid Voltage	400Vac	
On-grid Frequency	50/60Hz	
Rated Voltage	716.8Vdc	
Life Cycle	≥8000*	
Isolation Method	Isolation Transformer	
On/Off-grid Switching Device	STS	
Cooling Method	Air-cooling	
Noise	<70dB	
IP Class	IP55	
Anti-corrosion Degree	C3 (standard) / C5 (optional)	
Allowable Altitude	5000m (>3000m derating)	
Allowable Ambient Temperature	-20°C~55°C (> 45°C derating)	
Allowable Relative Humidity	0%~95% (no condensation)	
Dimension (W*H*D)	2130*2250*1350mm	2530*2400*1400mm
Weight	≈3.2t	≈3.7t

*Note: 25±2°C ambient temperature, 0.5P charge/discharge, cycles times ≥8000@70%SOH.



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