

Modular Energy Storage Converter (DC-AC)

BCS100K~200K-B-HM X2 Series



Safe

- IP66 protection
- Balanced current conversion & Health status monitoring



Smart

- Fast power scheduling & Black start
- Support multi-module AC side parallel



Simple

- Fast Plug & Play, easy installation
- Modular design, support rack-mounted



Technical Specification

Items	BCS100K-B-HM X2	BCS200K-B-HM X2
DC input		
Max. DC voltage	1000Vdc	1500Vdc
DC fullload voltage range	600~1000Vdc	1060~1450Vdc
Max. DC current	187A	212A
Soft Start	Yes	
AC output		
Rated AC output power	100kW@45°C	200kW@40°C
Max. AC output power	110kVA	220kVA
Rated output voltage	400Vac 3P3W	690Vac 3P3W
Output voltage range	-15%~10% (settable)	
Grid frequency range	50/60Hz (settable)	
Max. output current	158A	184A
Power factor	>0.99 (at rated power)	
Adjustable power factor	1 (leading)~1 (lagging)	
THDi (on-grid)	<3% (at rated power)	
THDu (off-grid)	<3% (linear load)	
PCS efficiency		
Max. efficiency	98.8%	
General data		
Topology	Non-isolated	
IP rating	IP66	
Operation temperature	-35°C~60°C	
Relative humidity	0~100% (no-condensing)	
Cooling type	Intelligent air cooling	
Dimensions (W×H×D)	600x295x900mm	
Weight	95kg	
Altitude	4000m (>2000m derating)	
Display	LED	
Communication protocol	Modbus-RTU, Modbus-TCP	
Communication interface	Ethernet, RS485, CAN	
Installation	Rack-mounted	
Compliance	IEC/EN 62477-1, EN IEC 61000-6-2/4, EN 61000-3-12, EN IEC 61000-3-11, EN 50549-1, NC RfG, VDE-AR-N 4105	IEC/EN 62477-1, EN IEC 61000-6-2/4, EN 61000-3-12, EN IEC 61000-3-11

- Specification indexes may be subject to changes without further notice.

