Modular Energy Storage Converter (DC-AC)

BCS100K-B-HM X2 Series

Secure Reliable

- NEMA type 4X + C5，designed for extreme environments to provide reliable component protection

Excellent Performance

- Fast power scheduling
- Independent operation, non master-slave logic

Grid Friendly

- Non-limited parallel connection in theory
- Up to five units parallel connection in off-grid mode

Intelligent O&M

- Fast plug & play, easy installation
- Modular design, support rack-mounted



Technical Specification

Items	BCS100K-B-HM X2
DC input	
Max. DC voltage	1000Vdc
DC fullload voltage range	600~1000Vdc
Max. DC current	187A
Soft Start	Yes
AC output	
Rated AC output power	100kW@45°C
Max. AC output power	110kVA
Rated output voltage	400Vac 3P3W
Output voltage range	-15%~10% (settable)
Grid frequency range	50/60Hz (settable)
Max. output current	158A
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

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