

Modular Energy Storage Converter (DC-AC)

BCS75K~175K-B-HM-US X2 Series



Safe

- NEMA type 4X
- 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	BCS75K-B-HM-US X2	BCS125K-B-HM-US X2	BCS175K-B-HM-US X2
DC input			
Max. DC voltage	1500Vdc		
DC fullload voltage range	720~1450Vdc	720~1300Vdc	920~1450Vdc
Max. DC current	117A	195A	214A
Soft start	Yes		
AC output			
Rated AC output power	75kW@45°C	125kW@45°C	175kW@40°C
Rated output voltage	480Vac 3P3W	480Vac 3P3W	600Vac 3P3W
Output voltage range	-15%~10% (settable)		
Grid frequency range	60Hz		
Max. output current	99.2A	165.4A	185.2A
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	NEMA type 4X		
Operation temperature	-35°C~60°C/-31°F~140°F		
Relative humidity	0~100% (No-condensing)		
Cooling type	Intelligent air cooling		
Dimensions (W×H×D)	600x295x900mm/23.6x11.6x35.4in		
Weight	95kg/209.4lb		
Altitude	4000m/9843ft (>2000m/6562ft derating)		
Display	LED		
Communication protocol	Modbus-RTU, Modbus-TCP, SUNSPEC		
Communication interface	RS485, Ethernet, CAN		
Installation	Rack-mounted		
Compliance	UL 1741, CSA C22.2#107.1, IEEE 1547, IEEE 1547.1, UL 1741 SB, CFR 47 Part 15, ANSI C63.4		

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