

1500Vdc Energy Storage Converter

BCS1250K~1725K-B-HUD Series



Safe

- On-line insulation detection
- Adapt to extreme environment,such as high temperature, salt, and extreme cold etc.



Smart

- Support multi-machine parallel connection & black-start
- H/LVRT function, high adaptation ability to the grid
- Various applications such as peak shaving, frequency modulation, auxiliary grid connection for new energy system, etc.



Simple

- Efficient layout to improve space utilization
- Support multi-machine parallel connection, VSG, PQ, VF, black-start and other functions



Technical Specification

Items	BCS1250K-B-HUD		BCS1500K-B-HUD		BCS1725K-B-HUD	
DC input						
Max. DC voltage	1500Vdc					
DC voltage range	1000-1500Vdc					
Max. DC current	1543A	1683A		1936A		
Soft start	Yes					
AC output (On-grid)						
Rated AC output power	1250kW	1500kW		1725kW		
Max. AC output power	1375kVA	1650kVA		1897.5kVA		
Rated grid-tied voltage	690Vac 3P3W+PE					
Grid voltage range	-15%~10% (settable)					
Grid frequency range	50/60Hz					
Max. output current	1151A	1381A		1588A		
Power factor	>0.99 (at rated power)					
Adjustable power factor	1 (leading)~1 (lagging)					
THDi	<3% (at rated power)					
AC output (Off-grid)						
Rated AC output voltage	690Vac					
Output voltage accuracy	1%					
Max. output current	1151A	1381A		1588A		
THDu	<3% (liner load)					
Rated output frequency	50Hz					
Overload capability	110% overload					
PCS efficiency						
Max. efficiency	99%					
General data						
Isolation mode	None					
IP rating	IP55					
Operation temperature	-35°C~60°C (>45°C derating)					
Relative humidity	0~100% (no-condensing)					
Cooling type	Intelligent air cooling					
Dimensions (W×H×D)	860×2270×1725mm					
Weight	1500kg					
Altitude	4000m (>2000m derating)					
Display	Touch screen (optional)					
Communication protocol	Modbus-RTU, Modbus-TCP, IEC61850, IEC104					
Communication interface	RS485, Ethernet					
Compliance	IEC/EN 62477-1, EN IEC 61000-6-2/4, EN 50549-2, NC RfG, IEC 62116, IEC 61727,EN50549-10, IEC61683, IEC 60068-2-1/2/14/30					

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