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
- Secondary circuit integration, unified measurement, protection and communication



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	1403A	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	50Hz		
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	-35ºC~60ºC (>45ºC 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		

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

Kehua Digital Energy
Add: No. 457, Malong Road, Torch High-Tech Industrial Zone, Xiamen Fujian China
Tel: +86-592-5160516 Fax: +86-592-5162166 www.kehua.com