

# 1500Vdc Energy Storage Converter

## BCS1250K-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
<b>DC input</b>	
Max. DC voltage	1500Vdc
DC voltage range	1000-1500Vdc
Max. DC current	1543A
Soft start	Yes
<b>AC output (On-grid)</b>	
Rated AC output power	1250kW@45°C
Max. AC output power	1375kVA
Rated grid-tied voltage	690Vac 3P3W+PE
Grid voltage range	-15%~10% (settable)
Grid frequency range	50Hz
Max. output current	1151A
Power factor	>0.99 (at rated power)
Adjustable power factor	1 (leading)~1 (lagging)
THDi	<3% (at rated power)
<b>AC output (Off-grid)</b>	
Rated AC output voltage	690Vac
Output voltage accuracy	1%
Max. output current	1151A
THDu	<3% (liner load)
Rated output frequency	50Hz/60Hz
Overload capability	110% overload
<b>PCS efficiency</b>	
Max. efficiency	99%
<b>General data</b>	
Isolation mode	None
IP rating	IP55
Operation temperature	-35°C~60°C (>45°C derating)
Relative humidity	0~100% (no condensation)
Cooling type	Intelligent forced air cooling
Dimensions (W×H×D)	860×2270×1725mm
Weight	1500kg
Altitude	4000m (>2000m customized)
Display	Touch screen
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.

