



# HBI 100/250 Datasheet



## LEADING - EDGE TECHNOLOGY

### Overview

Bidirectional battery inverter from 100kW and 250kW, can be used alone or with solar charger and other accessories for different application scenarios

### Features



Paralleling multiple units



Flexible Configuration



Programmable working mod

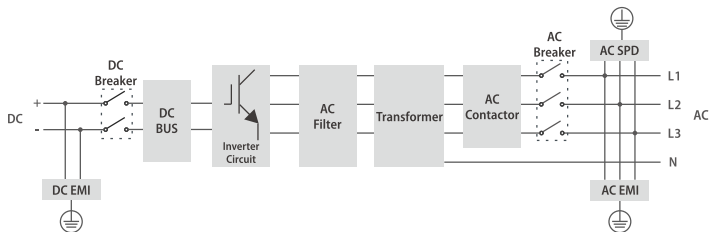


Support remote contr



Touchscreen LCD

## Block Diagram





	HBI 100	HBI 250
<b>AC (Grid-connected)</b>		
Apparent power	110kVA	275kVA
Rated power	100kW	250kW
Rated voltage	400V	400V
Rated current	144A	361A
Voltage range	360V - 440V	360V - 440V
Rated frequency	50/60Hz	50/60Hz
Frequency range	45-55/55-65Hz	45-55/55-65Hz
THDI	<3%	<3%
PF	0.8lagging~0.8leading	0.8lagging~0.8leading
AC connection	3/N/PE	3/N/PE

<b>AC(Off-grid)</b>		
Apparent power	110kVA	275kVA
Rated power	100kW	250kW
Rated voltage	400V	400V
Rated current	144A	361A
THDU	≤2% linear	≤2% linear
Rated frequency	50/60Hz	50/60Hz
Overload capability	110%-10mins 120%-1min	110%-10mins 120%-1min

<b>DC (Battery)</b>		
Rated power	100kW	250kW
Current regulation	±1%	±1%
Voltage regulation	±1%	±1%
Voltage ripple	<3%	<3%
Current ripple	<2%	<2%
Voltage range	500V-820V	500V-820V
Max. charge/discharge current	220A	550A

<b>General Information</b>		
Maximum efficiency	97.10%	97.30%
Protection degree	IP20	IP20
Noise emission	<65dB(A)@1m	<65dB(A)@1m
Operating temperature	-25°C~+55°C	-25°C~+55°C
Cooling	Forced-air	Forced-air
Relative humidity	0-95% non-condensing	0-95% non-condensing
Maximum altitude	6000m (derate above 3000m)	6000m (derate above 3000m)
Dimension(W/H/D)	1100/1890/850mm	1600/2080/850mm
Weight	820kg	1465kg
Build-in transformer	Yes	Yes
Transfer between on/off grid	Manual(default) Automatic(optional) ≤10ms	Manual(default) Automatic(optional) ≤10ms

<b>Communication</b>		
Display	Touch screen	Touch screen
Communication	RS485/CAN	RS485/CAN

**Certificate** CE, MEA, PEA, EN 61000-6-4:2007+A1:2011, EN61000-6-2:2005, EN62109-1:2010, EN62109-2:2011, NRS 097-2-1:2017, EN 50549-1:2019, PSE:2018-12