

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

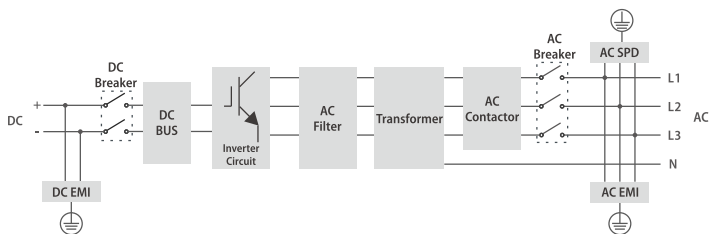


Support remote contr



Touchscreen LCD

Block Diagram





	HBI 100	HBI 250
AC (Grid-connected)		
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

AC(Off-grid)		
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

DC (Battery)		
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

General Information		
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

Communication		
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