



## JDA Hybrid Solar Inverter HBI 120 / HBI 150



### Leading - edge Technology

- ▶ All in one solution with PV,battery,load and grid integrated  
電池、負載和電網·可集中成一個解決方案
- ▶ Expandable PV controller for flexible PV capacity design  
可擴展PV控制器用於靈活的PV容量設計
- ▶ Touch Screen LCD  
觸控LCD面板
- ▶ Flexible Battery Type (li-ion,lead-acid)  
柔性電池類型 ( 鋰離子·鉛酸 )
- ▶ Comprehensive Protection for Inverter and Battery  
變頻器和電池的全面保護
- ▶ Multiple Working Mode Presetable  
可預設多種工作模式
- ▶ Battery Forecast (discharge time, capacity, etc)  
電池預測 ( 放電時間·容量等 )
- ▶ CAN and RS485 Communication Interface, Modbus Protocol  
CAN和RS485通訊接口·Modbus協議
- ▶ Seamless transfer between on and off grid via build in transfer switch  
通過轉換開關在開關之間無縫傳輸
- ▶ Build-in transformer for grid isolation  
用於電網隔離的內置變壓器



AC(Grid-connected)

Rated power  
AC active power  
Rated voltage  
Voltage Range  
Rated frequency  
Frequency range  
THDI  
PF  
AC connection

JDA HBI 120

150kV A  
120kW  
400V  
360V - 440V  
50/60Hz  
47~51.5/57~61.5Hz  
<3%  
0.8lagging~0.8leading  
3/N/PE

JDA HBI 150

188kV A  
150kW  
400V  
360V - 440V  
50/60Hz  
47~51.5/57~61.5Hz  
<3%  
0.8lagging~0.8leading  
3/N/PE

AC(Off-grid)

Rated power  
AC active power  
Rated voltage  
THDU  
Rated frequency  
Overload capability

150kV A  
120kW  
400V  
≤ 1% linear  
50/60Hz  
110% -10 mins  
120% -1 min

188kV A  
150kW  
400V  
≤ 1% linear  
50/60Hz  
110% -10 mins  
120% -1 min

DC(battery)

Max voltage of the PV production  
photovoltaic power range  
MPPT voltage range of the PV production  
Battery voltage(V1 is battery float charge voltage,V2 is battery boost charge voltage)

1000 VDC  
120KWp, optional 240KWp  
480VDC-800VDC  
352V... (Vmpp-100)\*(V1/V2)  
Vmax<=600V

1000 VDC  
150KWp, optional 300KWp  
480VDC-800VDC  
352V... (Vmpp-100)\*(V1/V2)  
Vmax<=600V

General Data

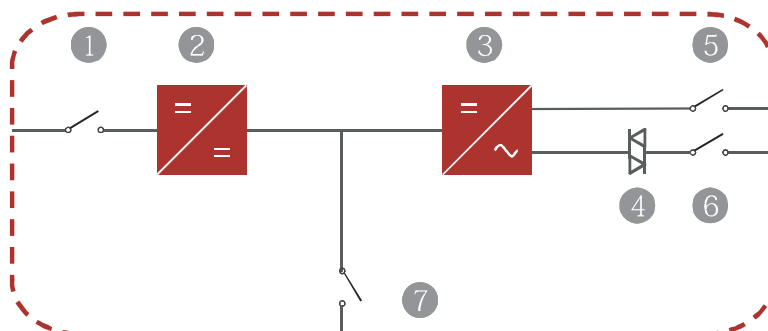
Dimension (W/D/H)  
Weight  
Operating Temperature Range  
Relative Humidity  
Degree of Protection  
Noise Emission  
Maximum Operating Altitude  
Standby consumption  
Cooling  
Display  
Communication Interface

1350/750/1850mm  
650KG  
-25 °C ... +55 °C  
0 ~95%  
IP20  
65dB(A)@1m  
6000m(Derating over 3000m)  
<30W  
Air Forced  
Touch screen LCD  
RS485/ Ether net

1350/750/1850mm  
650KG  
-25 °C ... +55 °C  
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模塊示意圖

Block Diagram



- 1. PV breaker
- 2. PV controller
- 3. Bidirectional Inverter
- 4. Transfer switch
- 5. Load breaker
- 6. Grid breaker
- 7. Battery breaker