

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)

	JDA HBI 120	JDA HBI 150
Rated power	150kV A	188kV A
AC active power	120kW	150kW
Rated voltage	400V	400V
Voltage Range	360V - 440V	360V - 440V
Rated frequency	50/60Hz	50/60Hz
Frequency range	47~51.5/57~61.5Hz	47~51.5/57~61.5Hz
THDI	<3%	<3%
PF	0.8lagging~0.8leading	0.8lagging~0.8leading
AC connection	3/N/PE	3/N/PE

AC(Off-grid)

Rated power	150kV A	188kV A
AC active power	120kW	150kW
Rated voltage	400V	400V
THDU	≤ 1% linear	≤ 1% linear
Rated frequency	50/60Hz	50/60Hz
Overload capability	110% -10 mins 120% -1 min	110% -10 mins 120% -1 min

DC(battery)

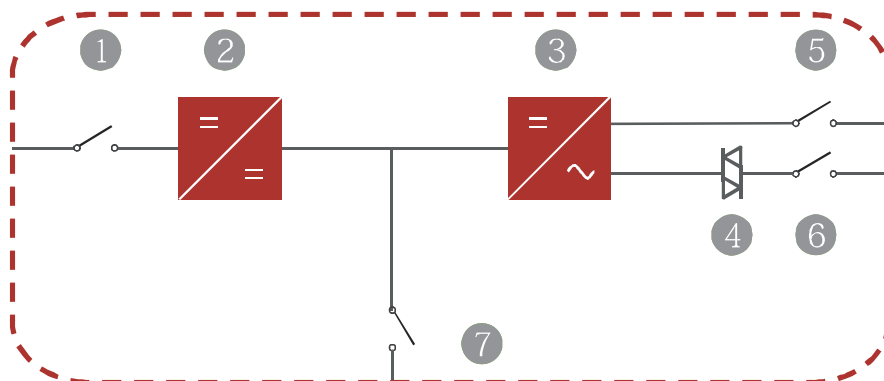
Max voltage of the PV production	1000 VDC	1000 VDC
photovoltaic power range	120KWp, optional 240KWp	150KWp, optional 300KWp
MPPT voltage range of the PV production	480VDC -800VDC	480VDC -800VDC
Battery voltage(V1 is battery float charge voltage,V2 is battery boost charge voltage)	352V... (Vmpp-100)*(V1/V2) Vmax<= 600V	352V... (Vmpp-100)*(V1/V2) Vmax<= 600V

General Data

Dimension (W/D/H)	1350/750/1850mm	1350/750/1850mm
Weight	650KG	650KG
Operating Temperature Range	-25 °C ... +55 °C	-25 °C ... +55 °C
Relative Humidity	0 ~95%	0 ~95%
Degree of Protection	IP20	IP20
Noise Emission	65dB(A)@1m	65dB(A)@1m
Maximum Operating Altitude	6000m(Derating over 3000m)	6000m(Derating over 3000m)
Standby consumption	<30W	<30W
Cooling	Air Forced	Air Forced
Display	Touch screen LCD	Touch screen LCD
Communication Interface	RS485/ Ether net	RS485/ Ether net

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