

## Hybrid HBI® PV INVERTER

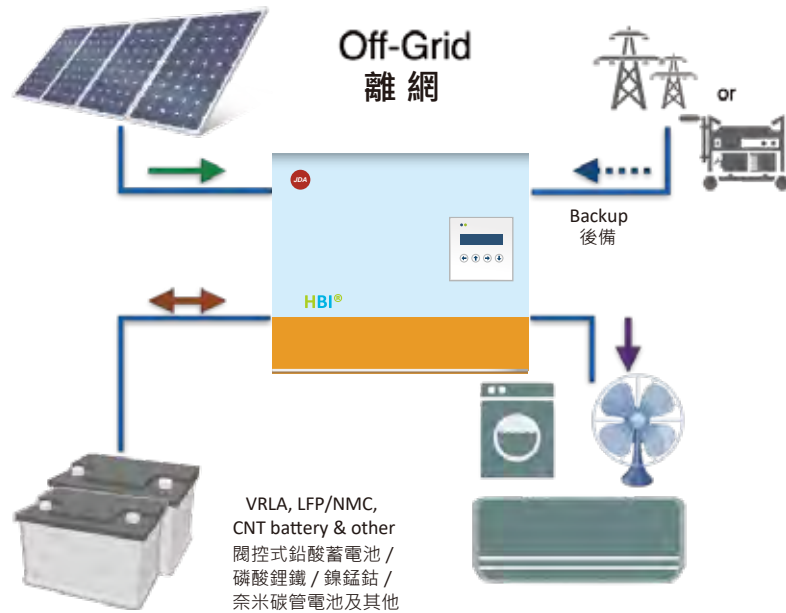
## HBI® 混合型逆變器

### Economically powerful solution for Photovoltaic and Storage 經濟實惠的光伏和儲能解決方案

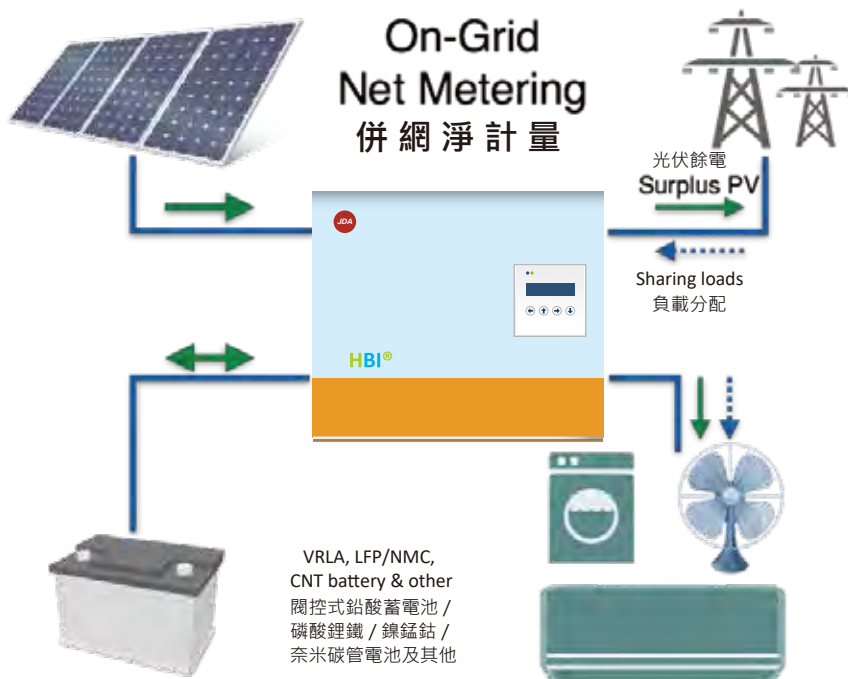
#### FEATURES 特 性

- Best CP value  
最佳性價比
- All-in-One  
多機合一
- 96% Conversion Efficiency  
轉換效率高達96%
- Standalone/Grid Interactive  
獨立/併網
- 60A Charging Current  
60A充電電流
- 200% Overload  
200%超載
- Wall or 19" mount optional  
壁掛或19"安裝可選
- Net-metering & Self-use  
淨計量和自用
- Operation without Battery  
無電池操作
- UPS Function  
不斷電功能
- VRLA, LFP/NMC, CNT Batteries & Others  
閥控式鉛酸蓄電池·磷酸鋰鐵/鎳錳鈷  
奈米碳管電池及其他
- High Temp. & Humidity  
高溫高濕
- Parallel Operations  
並聯操作
- Cloud Monitoring (Optional)  
雲監測(可選)

**Operation Modes**  
**操作模式**

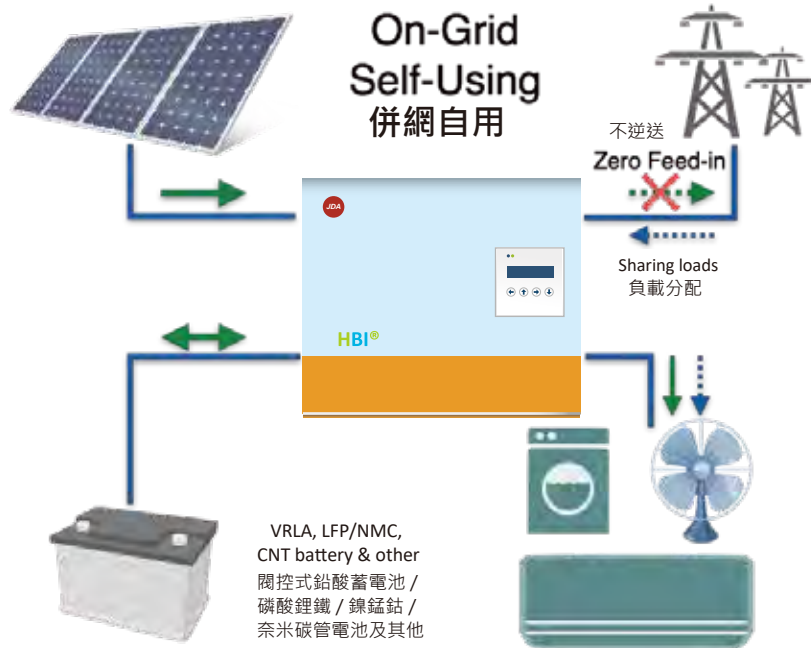


- AC grid or genset acts as a backup source  
交流電網或發電機組可當備用電源
- Inverter supplies loads from PV and/or batteries  
逆變器自PV和/或電池提供負載
- Surplus PV power charges batteries  
光伏餘電充蓄電池
- Loads will be switched to backup input automatically while needed  
負載將在需要時自動切換到備用輸入

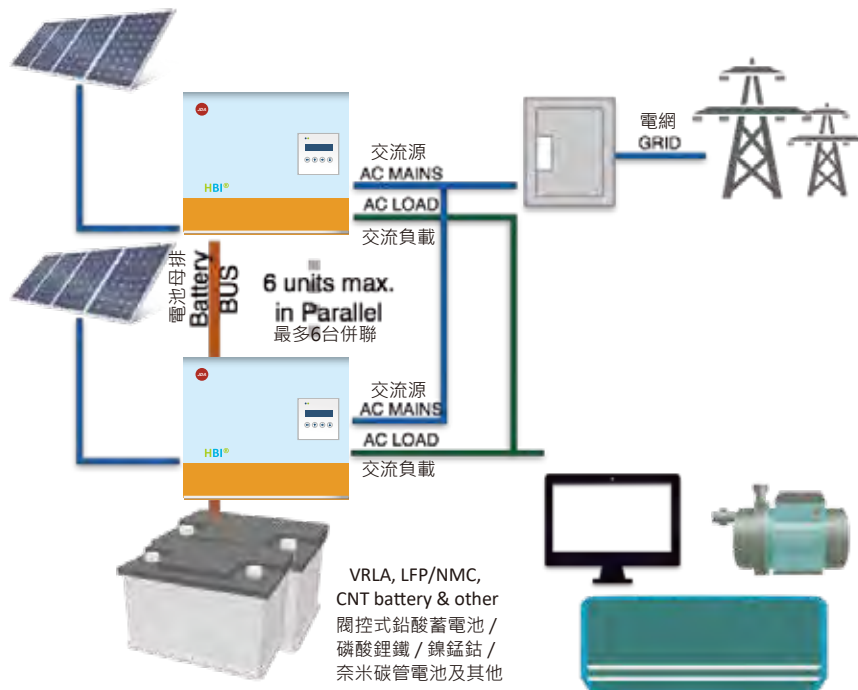


- Inverter output is physically connected to grid AC  
逆變器輸出完全的連接到電網AC
- Inverter supplies loads from PV and/or batteries  
逆變器自PV和/或電池提供負載
- Extra PV power charges batteries and/or feeds grid  
多餘的PV電能充蓄電池和/或饋入電網
- Inverter and grid AC power loads together  
逆變器和交流電網交流電源一起提供負載

**Multi-unit System**  
多單元系統



- Inverter output is physically connected to grid AC  
逆變器輸出完全的連接到電網AC
- Inverter supplies loads from PV and/or batteries  
逆變器自PV和/或電池提供負載
- Extra PV power charges batteries  
多餘的PV電能充蓄電池
- Zero feeding to grid  
零饋送到電網
- Inverter and grid AC power loads together  
逆變器和交流電網交流電源一起提供負載



- Up to 6 units in parallel for increasing system capacity  
最多6台並聯增加系統容量
- Inverters share same battery bank  
逆變器共享相同的電池組
- Inverters power common loads  
逆變器一般負載
- Off-grid or on-grid mode  
離網或併網模式

**Specifications 產品規格**

Model		HBI-3000-E-xx*	HBI-5000-E-xx*	HBI-5500-E-xx*
<b>Input (PV) 輸入(PV)</b>		<b>Unit 單位</b>		
Max. PV Power 最大光伏功率	W <sub>P</sub>	3000	5000	5500
MPPT Range <sup>1</sup> 追蹤電壓範圍 <sup>1</sup>	V	150 ~ 450	150 ~ 450	120 ~ 450
Max. DC Voltage 最大直流電壓	V	500	500	500
Max. Current 最大電流	A	10	20	2/2*13
<b>Input (AC) 交流輸入 (AC)</b>		<b>Unit 單位</b>		
Nominal Voltage, Frequency 標稱電壓、頻率	V/Hz	220, 50/60		
Max. Current 最大電流	A	15	25	23.9
<b>Battery 電池</b>				
Nominal Voltage 標稱電壓	V	48	48	48
Max. Charging I Current 最大當充電 I 電流	A	40,60	60,100	60,120
<b>Output (AC) 輸出 (AC)</b>		<b>Unit 單位</b>		
Nominal Power 標稱功率	W/VA	2400/3000	4000/5000	4000/5500
Nominal Voltage, Frequency 標稱電壓、頻率	V/Hz	120, 50/60 230, 50/60		
Over -Load Capacity 過載能力	%	200		
Waveform 波形		Pure Sinusoidal 純正弦波		
Regulation (Linear Load) 調節 (線性負載)	%	± 2		
<b>General 一般</b>				
Temperature Range <sup>2</sup> 溫度範圍 <sup>2</sup>	°C	-20 ~ 55		
Environment 環境		Indoor 室內		
Cooling 冷卻		Forced Air - Cooling 強制風冷 - 冷卻		
Humidity 濕度	%	0~95, non-condensing 0~95 · 不冷凝		
Battery Type 電池型號		VRLA or LiFePO <sup>4</sup> 閥控式鉛酸蓄電池或磷酸鋰鐵電池		
UPS function 不斷電功能		Yes. Transfer time < 4ms <sup>3</sup> 是 · 切換時間 < 4ms <sup>3</sup>		
Parallel Operation 並聯操作		No 否	Yes 是	No 否
<b>Interface &amp; Mechanical 機構介面</b>				
Display 顯示		16 x 2 Text Display 16 x 2 行字串		

Note: 1. Input power may be reduced for VPV < 265V 2. AC power may need to be reduced for T > 40°C 3. Valid for single unit operation 4. Design to meet 5. Specifications are subject to change without prior notice

1.當光伏電壓小於265V其輸入功率會減少 2.當溫度大於40度時交流功率將降低 3.僅單機操作 4.設計符合 5.規格變更恕不另行通知  
\*stanealone -SA. (\*獨立型-SA)