

BXA-H50-B110

PV&ESS ALL-IN-ONE CABINET



AI-Powered Battery Safety Detection and Customer Service

- ✔ Intelligent early warning and precise thermal management.
- ✔ Occupies only 1.3 m² per cabinet.
- ✔ Remote monitoring and proactive alerts.
- ✔ Supports parallel expansion for a scalable power range from 50 kW to 300 kW.
- ✔ Ultra-precise battery performance prediction from the first 100 cycles, enabling higher quality, longer life and unmatched reliability for critical applications
- ✔ Built-in AI that tracks electricity prices and learns user habits to optimize operation and boost savings.



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PV&ESS ALL-IN-ONE CABINET

Model

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PV

Maximum Input Power	96 kW
Startup Voltage	180 Vdc
Maximum PV Voltage	1,000 Vdc
Rated PV Voltage	600 Vdc
MPPT Operating Voltage Range	330-850 Vdc
Number of MPPTs	4
Number of Inputs per MPPT	2
Maximum Input Current (per MPPT)	40 A×4
Maximum Short-Circuit Current (per MPPT)	50 A×4

Battery

Nominal capacity	110 kWh
Battery capacity	314 Ah
Rated Voltage	352 Vdc
Battery Voltage Range	308~396 Vdc
Rated Charge/Discharge Current	140 A
Maximum Charge/Discharge Current	165 A

AC

Rated Output Power	50 kW
Maximum Output Power	50 kW
Rated Input Power	50 kW
Maximum Input Power	50 kW
Rated Output Current	76 A
Maximum Output Current	76 A

※ Information may be subject to modify without notice. If there is any change in product size and parameters, please refer to the latest information without prior notice.



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www.bexieenergy.com



Calle Peña Santa 68, Polígono Industrial
Silvota, 33192, Llanera, Asturias



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AC

Rated Voltage (Input and Output)	3L/N/PE; 400 V
Grid Frequency	50Hz/60Hz
Total Voltage Harmonic Distortion	<3% @ Rated Power & Linear Load

Temperature Control and Fire Protection

Temperature Control Type	Smart Air Conditioner, Smart Fan
Fire Suppression Agent	Aerosol (or Perfl uorohehexanone)
Fire Protection Control Type	Composite Detection/ Cabinet-Level Suppression

Mechanical

Weight	Net Weight: 1,350 kg Gross Weight (with packaging): 1,400 kg
Dimensions (W×D×H)	Unit Dimensions: 1,000 × 1,320 × 2,145 mm Dimensions with Packaging: 1,070 × 1,390 × 2,285 mm
Communication Method	Ethernet 4G

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