



### Advanced Technology

- **AI-Powered 3-Level Scalable BMS** AI-driven two-tier architecture expandable to three levels, enabling intelligent cell-to-system monitoring and busbar coordination.
- **47+ Inverter Brand Compatibility** seamless integration via CAN bus across diverse energy storage systems.
- **High-Rate Charge/Discharge + Active Balancing** ensures long-term battery reliability.
- **Proprietary Thermal Balance System**  $\pm 3^{\circ}\text{C}$  cell temperature control helps improve temperature uniformity and supports long service life.

### Flexible Configuration

- **Modular Stack Design** frameless, plug-and-play stacking with flexible 64 kWh to 921 kWh capacity for all applications.
- **High-Capacity Single Rack** holds up to 15 packs in series, rated at 241 kWh to meet C&I energy demands.
- **Industrial BMS with Auto-Voltage Matching** ensures safe and stable operation with flexible series/parallel configuration.
- **8,000 Cycles** designed for daily cycling to deliver strong ROI on C&I storage projects.

### Convenient Installation

- **Ergonomic Rack Design** max height of 1.8m ensures safe, accessible maintenance without overhead operation.
- **Sleek Modular Build** modern minimalist design with stacking ease lowers installation and maintenance costs.
- **Plug-and-Play Connectivity** quick connectors with auto-configuration enable simple setup, no special skills needed.
- **Crane-Free Installation** can be assembled manually, reducing complexity and cost across all site types.

### Localized Technical Support

- **End-to-End Service Support** from design and construction to operation and recycling—a complete service cycle for maximizing project value.
- **Hybrid Training System** combined online and offline training covering product knowledge, operation skills, and maintenance for rapid client readiness.
- **Secure & Tracked Logistics** professional warehousing and door-to-door delivery ensure timely, safe arrival with full-chain traceability.
- **Localized Technical Network** on-site installation, maintenance, and troubleshooting supported by a reliable warranty for consistent system performance.

Model	XH-112	XH-241
Product Name	Stacked PDU	
PDU Model	CFE - PDU 1000 - 200 - B	
Installation Method	Racks	
Humidity	0 – 95 % RH (non-condensing)	
Nominal Voltage	1000 Vdc	
Max. Rated Current	200 A	
Size	440 × 837 × 225 mm	
Product Name	Stacked PACK	
Battery Type	LiFePO4	
Battery Model	CFE - PA51 - 314 - B	
Total Energy	16.07 kWh	
Nominal Voltage	51.2 V	
Capacity	314 Ah	
Size	440 × 837 × 225 mm	
System Name	Stackable energy storage system	
Nominal Voltage	358.4 V	768 V
Voltage Range	324.8 - 403.2 V	696 - 864 V
Max. Charging Current	150 A	
Max. Discharge Current	200 A	
Size (mm)	440 × 837 × 1850 mm	880 × 837 × 1850 mm
Communication Method	CAN / RS485 / Wi-Fi	
Charge Operating Temperature	0 to 45 °C	
Discharge Operating Temperature	-15 to 45 °C	
Humidity	0 – 95 % RH (non-condensing)	
Altitude	≤2000m	
Installation Method	Stack	
Cycle Life	≥8000 Cycles (@25 ± 2 °C, 0.5C / 0.5C, 80%DoD)	

CF Energy Co., Ltd.

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