

CFE-XH

SMART C&I BESS



Leading Technology

- ✓ Master+Slave architecture BMS with advanced AI algorithms
- ✓ OTA upgrade capabilities & cloud platform EMS, to every RACK
- ✓ Support 47 kinds of inverter communication
- ✓ 1C charging & discharging /100% DOD / active equalization
- ✓ Support black start



Convenient installation

- ✓ Maximum height of a single RACK is 1.7 meters
- ✓ Minimalist design and cost-saving building block installation
- ✓ Foolproof installation with quick-connect & adaptive communication
- ✓ PACK/RACK is designed according to IP65 & C5 corrosion protection grade



Flexible configuration System

- ✓ PACK can be used up to 6 in series to reach 60KWh
- ✓ Maximum 16 RACKs in parallel to increase capacity to 960KWh without adding other equipment
- ✓ Industrial-Grade BMS protection & voltage level auto-matching allows free combination of series/parallel connections
- ✓ 8000 cycles of design life to increase the return on investment in C&I energy storage scenarios



Local Service Support

- ✓ Provides support from the design until the operation
- ✓ Pre-sales and sales activities including online & offline product training
- ✓ Logistics including warehousing and delivery to the installation site
- ✓ Provide customers with localized and fast technical support for installation, commissioning and operation (including warranty services)

Model	CFE-XH-20	CFE-XH-30	CFE-XH-40	CFE-XH-50	CFE-XH-60
Stacked PDU					
Model	CFE-PDU750-100-GR-H				
Communication Method	CAN/RS485/WiFi (Optional)				
Installation Method	Racks				
Humidity	5 ~ 95% RH				
Altitude	≤2000m				
Rated Voltage	750V DC				
Rated Current	100A (Charge & Discharge Rate of 1C)				
Size	442*380*135mm				
Rack batteries					
Battery Type	LiFePO4				
Model	CFE-PA102-100-GR				
Capacity	20.48kWh	30.72kWh	40.96kWh	51.20kWh	61.44kWh
Battery Voltage (PACK 102.4V)	204.8V	307.2V	409.6V	512.0V	614.4V
Capacity	100Ah				
Size (mm)	442*580*225				
Electrical parameters					
Voltage Range	172.8-230.4V	259.2-345.6V	345.6-460.8V	432-576V	518.4-691.2V
Rating Charging Current	100A				
Max. Charging Current	100A				
Max. Discharge Current	120A				
Other parameters					
Size (mm)	576*582*774	576*582*1004	576*582*1234	576*582*1464	576*582*1694
Communication Method	CAN/RS485				
Charging Temperature Range	0 ~ +45°C				
Discharging Temperature Range	-10 ~ +55°C				
Humidity	0 ~ 95% RH				
Altitude	≤2000m				
Installation Method	Racks & cabinet				
Cycle Life	≥8000 Cycles (@25±2°C, 0.5C/0.5C,80%DOD)				

CF Energy Co., Ltd.

CFE has offices & warehouses in the following regions where you can get in touch with us:-

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