C&I ESS

CFE-XH 100

Leading Technology

- Master + Slave architecture BMS with advanced AI algorithms.
- OTA upgrade capabilities & cloud platform EMS, to every RACK.
- Supports multiple inverter communications.

Convenient installation

- Minimalist design and cost-saving building block installation.
- Error - proof installation with quick - connect & adaptive communication.
- PACK / RACK designed to IP65 with C5 corrosion protection.

Flexible configuration System

- Up to 7 PACKs in series (up to 70 kWh).
- Maximum 4 RACKs in parallel to increase capacity to 280 kWh 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.
- We provide local technical support for installation, commissioning, and operation (including warranty service).

Model	CFE-XH 100					
Battery Module Qty in series	2	3	4	5	6	7
Capacity	20.48 kWh	30.72 kWh	40.96 kWh	51.20 kWh	61.44 kWh	71.68 kWh
Battery Voltage (PACK 102.4V)	204.8 V	307.2 V	409.6 V	512.0 V	614.4 V	716.8 V
Voltage Range	173 – 230 V	259 – 346 V	346 – 461 V	432 – 576 V	518 – 691 V	605 – 806 V
Size （W × D × H）	630× 448 × 650 mm	630 × 448 × 878 mm	630 × 448 × 1106 mm	630 × 448 × 1334 mm	630 × 448 × 1562 mm	630 × 448 × 1790 mm
Stacked PDU						
Model	CFE-PDU 1000 - 100 - GR					
Communication Method	CAN / RS 485 / Wi-Fi					
Installation Method	Racks					
Humidity	0 – 95% RH (non-condensing)					
Altitude	≤3500 m					
Nominal Voltage	1000 Vdc					
Nominal Current	100 A (Charge & Discharge Rate of 1C)					
Size （W × D × H）	442 × 450 × 133 mm					
Rack Batteries						
Battery Type	LFP (LiFePO4)					
Model	CFE – PA102 – 100 – GR					
Capacity	100 Ah					
Electrical Parameters						
Max. Charging Current	100 A					
Max. Discharge Current	100 A					
Other Parameters						
Communication Method	CAN / RS485					
Charge Operating Temperature	0 to 45 ℃					
Discharge Operating Temperature	-10 to 55 ℃					
Humidity	0 – 95% RH (non-condensing)					
Altitude	≤3500 m					
Installation Method	Racks & Cabinet					
Warranty & Cycle Life	8,000-cycle design life (conditions apply). （@ 25 ± 2 ℃, 0.5C / 0.5C, 80% DoD）					
Transport	UN38.3 (tested) ; UN3480 as applicable					
Certificates	CE (model-dependent)					