

# EAST-Meta1000V C&I

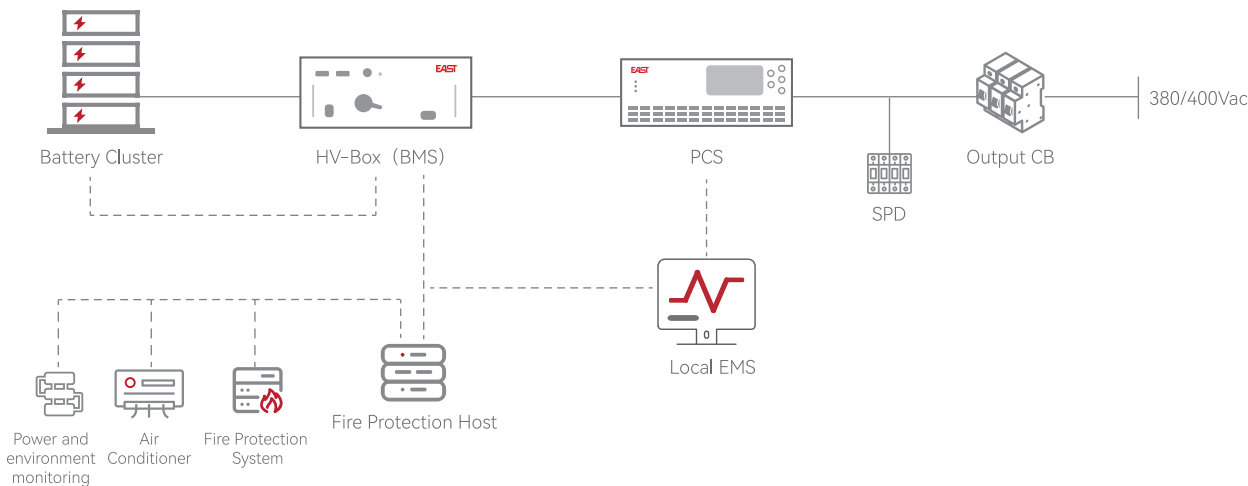
## All-in-one Battery Energy Storage System



### Advantages

- The maximum efficiency of the system can reach 90%
- The temperature difference of the battery cell is less than 4°C
- PCS, battery, local EMS, temperature control and fire protection system integrated in a single cabinet for 1% reduction in losses
- The protection level of the whole cabinet is IP54, the core module is IP65, and the maximum anti-corrosion level can reach C5
- It has flexible configurations for parallel expansion of multiple products

### Topology



Product Model	EAPCS100K-215kWh
DC-side	
Cell	3.2V/280Ah
System Battery Configuration	1P240S
Battery Rated Capacity	215kWh
Battery Voltage Range	648~864V
AC-side	
Rated AC Active Power	100kW
AC Current Distortion Rate	<3%(Rated Power)
DC Component	≤0.5%(Rated Power)
Nominal AC Voltage	400V
Grid Voltage Range	-15% ~ +10%
Power Factor	>0.99(Rated Power)
Adjustable Reactive Power Factor Range	-105%~105%
Rated AC Grid Frequency	50Hz
Grid Frequency Range	45~55Hz
Isolation Method	Non-isolated
System Parameters	
Dimensions (W x H x D)	1400×2300×1560mm
Weight	2700kg
Protection Degree	IP54
Operating Temperature Range	-30°C~50°C
Operating Humidity Range	0~95%(No Condensation)
Max. Operating Altitude	3000m
Battery Cooling Method	Smart Air Cooling
Fire Protection System	Aerosol, Water Firefighting
System Communication Interface	LAN
External System Communication Protocol	Modbus TCP
Certification	IEC/EN62477-1-2012、IEC61000-6-2/IEC61000-6-4、UN38.5/EN50549-1:2019/AC2019