

# cornex M5 **APEX**

## 20 ft 5MWh Battery Energy Storage Container



### High Efficiency

#### High Efficiency

Field layout in a mirror design pattern with side-by-side and back-to-back arrangement increases land use efficiency;  
Top air-out design reduces auxiliary power consumption by 25% and noise by 5-8 dB;  
Active balancing significantly enhances balancing speed and lifecycles.

### High Flexibility

#### High Flexibility

High scenario adaptability, supporting 2h and 4h energy storage scenarios;  
Supports 1-output, 2-output, and 12-output DC configurations, with high compatibility with mainstream PCS in the market;  
High environmental adaptability, suitable for extreme environments and near-residential areas

### High Safety

#### High Safety

Self-developed Cells under multi-step safety tests before delivery; pack adopts multi-level thermal insulation and flame retardancy to effectively block thermal runaway; Container equipped with multi-level fire protection configurations;  
Active and passive protection measures, compliant with NFPA855, NFPA68, and NFPA69;  
Cell to Container with multi-level fusing and progressive protection .

## M5 APEX Electrical Parameters

Product Specification	M5 APEX
Cell Capacity (Ah)	314Ah
Configuration	12P416S
Nominal Energy (MWh)	5.015MWh
Nominal Charge/ Discharge Rate	0.5P/0.5P
DC output number	1/2/12
BMS Balancing Strategy	Active Balancing/Passive Balancing
Range of Working Voltage (V)	1164.8-1497.6V
Nominal Voltage (V)	1331.2V
Range of Working Temperature (℃)	-30-55℃
Operating Humidity	0-100%
Fire Protection	NFPA69/NFPA68
Thermal Management	Liquid Cooling + Liquid Heating
System Communication	RS485/CAN/Ethernet
IP Protection	IP55
Dimension (L*W*H mm)	6058mm*2438mm*2896mm (20ft)
Container Layout	side-by-side and back-to-back layout supported
Weight (T)	42.5T

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