

Air-cooled Battery Container

ECO-B20FT1566WX



The 20-ft air-cooled ESS container product integrates PACK, EMS, BMS, HVAC, fire safety system into one container. It has the advantages of high energy density, easy transportation & installation, and high protection level. The DC output can combine with PCS-boost container to realize AC network connection at medium/high voltage. It can be applied to the generation side, grid side, and ESS applications with high power/capacity requirements.

Features



Safe & Reliable

High-end and ESS-specific LFP cells to achieve high energy density, long cycle life and non-spontaneous combustion.



Smart Cooling

Smart cooling ensures temperature difference not over 8°C.



Multi-Scenario

The electrical and structural design is compatible with modular and centralized PCS access, providing more flexible cost control.



Economical & Efficient

Low system cost, high charge/discharge efficiency, support various ESS applications.



Precise Temp Control

One-cluster-one-air-conditioning achieves accurate temp control for battery consistency and modular temp strategy.



Smart O&M

Triple-level BMS achieves real-time monitoring and control of core from battery, PCS, HVAC, fire safety etc.. EMS achieves remote monitoring and control to reduce cost and improve maintainability.

Specifications

Item	Specification
Configuration	10*(1P408S)
Rated Energy	1.566MWh
Rated Voltage	1305.6Vdc
Voltage Range	1142.4~1468.8Vdc
Charge/Discharge Rate	1P
Operating Temperature	-25°C~55°C
Fire Safety	NOVEC1230/aerosol+water
Ingress Rating	IP55
Cooling	Forced air cooling
Altitude	≤2,000m (derating above 2,000m)
Dimensions (W*D*H)	6,058*2,438*2,896 (mm)
Compliance	PACK: UN38.3, IEC62619, IEC63056 System: IEC62477, IEC61000, IEC62619, IEC63056, UL9540A, UN3536

