

Air-cooled Battery Container

ECO-B20FT3404WS



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.



String Design

Cooperate with modular PCS to eliminate battery system inconsistency caused by parallel connection of cells.



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	10P380S
Rated Energy	3.404MWh
Rated Voltage	1216Vdc
Voltage Range	1064~1368Vdc
Charge/Discharge Rate	0.5C
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*3,100 (mm)
Compliance	Pack: UN38.3, IEC62477, IEC61000, IEC62619, IEC63056 System: IEC62477, IEC61000, IEC62619, IEC63056, UL9540A, UN3536, EN50549

