

Air-cooled Battery Container

ECO-E20FT3404WS



Product Introduction

The 20-ft air-cooled ESS container product integrates PACK, BMS, PCS, EMS, HVAC and fire safety system in one container which has advantages such as high energy density, easy transportation, fast installation and high Ingress Rating. With AC output voltage of 690Vac, it can be connected to grid at medium-/high-voltage levels combined with step-up transformation. The 20-ft air-cooled ESS container product can be applied to power generation side, grid side, as well as C&I ESS scenarios which has strict requirements on power and capacity.

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℃.



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℃~55℃
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	UN38.3

