

Air-cooled Battery Container

ECO-B20FT3404WS



Brief

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.



Economical & Efficient
Low system cost, high charge/discharge efficiency, support various ESS applications



Smart Cooling
Smart cooling ensures temperature difference not over 8°C.



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.



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



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

Specifications

Item	Specification
Cell type	LFP280Ah
Configuration	10P380S
Rated Energy	3.404MWh
Rated Voltage	1216Vdc
Voltage Range	1064~1368Vdc
Nominal Charge/Discharge Rate	0.5P
Operating Temperature	-25°C~55°C
Fire Safety	Aerosol+water
Ingress Rating	IP55
Cooling	Forced air cooling
Altitude	≤2,000m (derating above 2,000m)
Dimensions (W*D*H)	6,058 mm x 2,438mm x 3,100mm
Weight	35 t
Compliance	Pack: UN38.3, IEC62477, IEC61000, IEC62619, IEC63056 System: IEC62477, IEC61000, IEC62619, IEC63056, UL9540A, UN3536, EN50549