

OUTDOOR ESS: AIR COOLED

IES 221-A



Highly Integrated Design

Front access, modular design for easy access, maintenance, and cost effective installations.



Intelligent O&M

One-click management, remote commissioning, reliable power with reduced onsite workload.



Profit Maximization

One-on-one management for batteries cluster, reduce thermal risks, prevents inter-cluster issues, enhances stability, lowers costs, and adapts to various scales.



Comprehensive Safety

Multi-level warnings (gas/water fire protection, exhaust) ensure safety. Efficient thermal management (temp. diff. $\leq 3^{\circ}\text{C}$, rise $< 7^{\circ}\text{C}$) extends lifespan and ensure stability.

INFINITE | ENERGY | STORAGE

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All-in-One: Air Cooled		IES 221-A
Cell Technology	LFP-3.2 V / 314 Ah	
Battery Module	20.096 kWh, 64 V	
Number of Packs	11	
Battery System Rated Capacity	221.056 kWh	
Battery System Rated Voltage	704 V	
Battery System Rated Current	157 A	
Battery System Voltage Range	616 V - 792 V	
Battery System Charge/Discharge Rate	0.5P	
OTHER PARAMETERS		
Dimension (WxDxH)	1380 × 1540 × 2330 mm 54 x 61 x 90 inch	
Weight	2 691 kg (5932.639 lbs)	
Operating Temperature Range	-30°C ~ +55°C (-22°F ~ +131°F) (Derating Below -15°C or above 45°C)	
Relative Humidity	0~95% (No Condensation)	
Maximum Working Altitude	3000m (> 2000m Derating)	
Noise	≤75 dB	
Ingress Protection Rating	IP55	
Heat Dissipation Method	Forced Air Cooling System (HVAC)	
Firefighting	Aerosol: Module-level (Optional) + Stack-level, Water Firefighting, Combustible Gas Detection and Exhaust	
Communication	CAN / RS485 / TCP	
Cycle Life	8 000 Cycles (25±2°C, 0.5P/0.5P,70% SOH, 90%DOD / 10 Years, whichever comes first)	
STANDARD COMPLIANCE		
Compliance	UN38.3 / UN3480 / IEC62619 / IEC61000 / IEC62477-1 / CQC (More available upon request)	