

ZYNAVEX+

NFPP C&I Series Energy Storage Solution

ZXES76

30 kW / 76 kWh Air-Cooled Battery System



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FEATURES



Safety Technology

A+ sodium-ion cells, multi-level protection, and integrated aerosol fire suppression.



Easy to Install and Use

Highly integrated modular design for fast deployment and flexible expansion.



More Reliable

Engineered for stable operation with comprehensive electrical and thermal protection.



Energy Management System

Supports peak shaving, demand control, self-consumption, and energy arbitrage.

Technical Parameter	ZXES76
DC Parameters	
Cell Specification	3.0V 160Ah
Pack Configuration	1P20S per Pack
String Configuration	1P160S
Number of Racks / Clusters	8 Packs in Series
Rated Energy	76.8kWh
Rated Capacity	160Ah
Nominal Voltage	480V
Operating Voltage	320V - 552V
Charge / Discharge Rate	0.5P / 0.5P
AC Parameters	
Rated Output Power	30kW
Maximum AC Power	33kW
Apparent Power	30kVA
Rated Grid Voltage	400Vac, 3P4W+PE
Rated Grid Frequency	50Hz
Output Harmonic (THDi)	≤3%
Power Factor	0.1 - 1
Power Factor Adjustable Range	0.1 - 1
DC Voltage Range	150 - 750V
Max DC Current	90A
Overload Capacity	110%~120%, 10 min 120%~130%, 1 min 130%~150%, 200ms > 150%, 100ms
System Parameters	
System Type	Smart Air-Cooled Outdoor Cabinet
Battery Chemistry	NFPP Sodium-Ion
Design Life	15 years
Energy Conversion Efficiency	≥88%
Battery Management System (BMS)	Active Balancing 2A
EMS	Included
Fire Suppression System	Aerosol Fire Extinguishing; PACK and Rack Level
Safety & Protection	Multi-Level Fuse Protection; Overcharge; Over-Discharge
Communication	Ethernet / CAN / RS485
Parallel Capability	Up to 10 Units
Cooling Method	Smart Air Cooling
Ingress Protection	IP55
Operation Temperature	-30°C to +60°C
Storage Temperature	-20°C to +45°C
Relative Humidity	15% - 90% RH, Non-Condensing
Working Altitude	≤3000m
Noise	≤75dB
Dimensions (W x D x H)	1050 x 1360 x 2250mm
Total Weight	Approx. 1700kg
Cycle Life	≥8000 cycles @25°C, 0.5P/0.5P
Compliance & Standards	UN38.3, MSDS

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