Z BOX-I ALL-IN-ONE ESS Cabinet

I 156-1H 150kW / 156kWh | 1C

Low costs | Flexible | Safe & reliable | Efficient

Model	I01-90KN-94	I01-100KN-104	I01-110KN-114	I01-120KN-125	I01-120KN-135	I01-150KN-156
Battery data						
Cell type	LFP					
Rated capacity	102 Ah					
Serial-parallel type	2P144S	2P160S	2P176S	2P192S	2P208S	2P240S
Rated capacity per pack	10.444 kWh					
Pack number	9	10	11	12	13	15
System rated energy capacity	93.996 kWh	104.44 kWh	114.884 kWh	125.328 kWh	135.772 kWh	156.66 kWh
Rated DC voltage	460 V	512 V	563 V	614 V	665 V	768 V
Rated DC voltage range	403~518 V	448~576 V	492~633 V	537~691 V	582~748 V	672~864 V
Rated DC current						
Rated AC power	90 kW	100 kW	110 kW	120 kW	120 kW	150 kW
Rated AC voltage	400 Vac					
Rated frequency	50/60 Hz					
Rated AC current	129 A	144 A	158 A	173 A	173 A	216 A
AC wiring type	3W/N+PE					
Power factor	-0.8 ~ 0.8					
General Data						
DOD	95%					
Protection degree	IP 54					
Cooling method	Intelligent fan cooling					
Fire suppression system	Novec 1230 + Aerosol					
Operating temperature range	-30 ~ 60 ° C (> 45° C derating)					
Relative humidity	0% ~ 95% RH (non-condensing)					
Max.working altitude	2000 m					
Display	Touch screen					
COM interfaces	WiFi + LAN+4G					
Dimensions (L*W*H)	1500*1600*2200 mm					
Weight	2290±50 kg	2375±50 kg	2460±50 kg	2545±50 kg	2630±50 kg	2800±50 kg

ZOE ENERGY STORAGE

ZOE Energy Storage, a pioneer in integrating investment, operation of energy storage stations, and the R&D, manufacturing, and sales of energy storage systems, has its global headquarters in Shanghai. With its R&D center in Jiangsu and joint laboratories established with top universities and international institutions, ZOE advances the development and application of energy storage technology. The company operates 14GWh intelligent energy storage factories in Jiangxi and Sichuan and has established the ZOE Digital Center in Shanghai. Leveraging outstanding R&D capabilities and innovative approaches, ZOE delivers both standardized and tailored energy storage solutions, bridging grids and scenarios for organized electricity use and balanced loads.

As a subsidiary of the ZOE Energy Group, ZOE Energy Storage contributes to the group's overarching mission. Founded in 2013, ZOE Energy Group is a high-tech enterprise dedicated to the development, investment, and management of new energy projects. Targeting carbon neutrality, the Group has developed 23 utility-scale solar projects with a combined capacity of 3.53GW and is progressing with wind, photovoltaic projects of 1.23GW. With a cumulative investment exceeding $4.4 billion, the Group has realized an annual compound growth rate of 183%, underscoring its commitment to sustainable energy development.

Project Cases

Generation/Grid Side
Renewable Energy with Storage

Xishan Energy Storage Power Station Project

Scenario Requirements
PV+Storage
Project Date
2023
System Capacity
27MW/27MWh
Application
Peak shaving, Frequency regulation

Commercial and Industrial
Renewable Energy with Storage

Hongfeng Solar and Storage Project

Scenario Requirements
24/7 uninterrupted high-energy usage
Project Date
2024
System Capacity
11MW/22MWh
Application
Peak shaving, Back-up power

Renewable Energy with Storage
in High-Altitude Areas

Highland Energy Storage Project

Scenario Requirements
Renewable energy storage in low-temperature environments at high altitudes

Application
Maximizing renewable energy use, preventing wind and solar waste

Projects Gallery

C&I energy storage for reducing monthly electricity costs, peak shaving, frequency regulation

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