



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
AC Data						
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%					
Noise	≤75dB					
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	LED + Touch Screen (Optional)					
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

• Project Cases

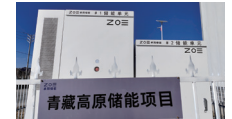
Generation/Grid Side Renewable Energy with Storage



Commercial and Industrial Renewable Energy with Storage



Renewable Energy with Storage in High-Altitude Areas



Xishan Energy Storage Power Station Project

Scenario Requirements

PV+Storage

Project Date

2023

System Capacity

27MW/27MWh

Application

Peak shaving, Frequency regulation

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

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

