

The logo for ZESE, featuring the letters 'Z', 'E', 'S', 'E' in a stylized, bold font, followed by an infinity symbol. The background of the entire image is a landscape of wind turbines at sunrise or sunset, with a misty field in the foreground and a golden sky.

Safely Make Every Cluster of Batteries

Energy Storage Products

Shenzhen Zeseco Li-ion Recycling Tech Co.,Ltd

About us



Safely Make Every Cluster of Batteries

Shenzhen Zeseco Li-ion Recycling Tech Co,Ltd.was founded in 2013. Based on the sales of lithium batteries, we have now developed into a lithium battery energy storage power system integration enterprise integrating R&D, production and sales. Our main products include high-voltage battery modules, battery clusters, light storage and charging microgrids, and large energy storage power stations. And we have established professional power system PACK factories in Dongguan and Huzhou.

Vision: Become an innovator of smart digital energy storage

Mission: Safely make every cluster of batteries

Core values: Struggler-oriented, sharing the value of corporate growth



Certification

Report No. LP2206131231-01
Page 1 of 23

TEST REPORT

Applicant: Shenzhen zhesi lithium-ion cycle technology co., ltd
Address: Room 501, Building B3, Zone B, Baoneng Science Park (South Zone), Clear Lake Industrial Zone, Gangqiu Community, Bartlett Street, Longgang District, Shenzhen

Manufacturer: Shenzhen Zhesi Lithium-ion Cycle Technology Co., Ltd. Da Lang Branch
Address: Floor 4, Building A, Qiancheng Industrial Park, No.18 Songqiang Road, Gaoying Village, Dalang Town, Dongguan City

Factory: Shenzhen Zhesi Lithium-ion Cycle Technology Co., Ltd. Da Lang Branch
Address: Floor 4, Building A, Qiancheng Industrial Park, No.18 Songqiang Road, Gaoying Village, Dalang Town, Dongguan City

E.U.T.: 500W Portable energy storage power source

Model Number: ZES102

Trade Name: ZES102

Date of Receipt: May 18, 2022 **Date of Test:** May 18 - August 6, 2022

Test Specification: 47 CFR FCC Part 15, Subpart B, Class B, Class B, 2020 ANSI C63.4a:2017

Test Result: The equipment under test was found to be compliance with the requirements of the standards applied.

Prepared by: *Jerry Hu* Approved & Authorized Signer: *[Signature]*
 Jerry Hu Engineer Frank Wang Engineer
 Issue Date: September 27, 2022

This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Dongguan Lepont Testing Service Co., Ltd.

Dongguan Lepont Testing Service Co., Ltd.

承 联鼎检测
SHENZHEN UTL CO., LTD.

报告编号 / Report No.: PMS2206131231 0101

材料安全数据表 Material Safety Data Sheet

产品名称: 锂离子电池模组
Name of Products: Lithium ion battery module

委托单位: 深圳普思锂电循环科技有限公司大朗分公司
Applicant: Shenzhen Zeseco Li-ion Recycling Tech Co., Ltd Dalang Branch

生产单位: 深圳普思锂电循环科技有限公司大朗分公司
Factory: Shenzhen Zeseco Li-ion Recycling Tech Co., Ltd Dalang Branch

检测人 Tester: *王纪清* 审核人 Reviewer: *文纪军* 签发人 Approver: *[Signature]*
 项目工程师 / Project Engineer 项目工程师 / Project Engineer 检测工程师 / Test Engineer

广东联鼎检测科技有限公司
 GUANGDONG UTL CO., LTD.

Address: Gaoying Village, Building 10A, 18 Songqiang Road of Papan Industrial Zone, Gaoying Village, Gaoying Community, Gaoying District, Longgang District, Guangdong Province, China.
 Tel: 86-0755-8166-1188 Website: www.utl.com.cn Email: zhongguo@utl.com

承 联鼎检测
SHENZHEN UTL CO., LTD.

报告编号 / Report No.: PMS2206131231 0101

中国合格评定国家认可委员会
 中国合格评定国家认可委员会
 证书编号
 04632014422955
 有效期至
 2025-07-31
 CNAS

UN38.3 测试报告 UN38.3 Test Report

产品名称: 锂离子电池模组
Name of Products: Lithium ion battery module

委托单位: 深圳普思锂电循环科技有限公司大朗分公司
Applicant: Shenzhen Zeseco Li-ion Recycling Tech Co., Ltd Dalang Branch

生产单位: 深圳普思锂电循环科技有限公司大朗分公司
Factory: Shenzhen Zeseco Li-ion Recycling Tech Co., Ltd Dalang Branch

检测人 Tester: *王纪清* 审核人 Reviewer: *文纪军* 签发人 Approver: *[Signature]*
 项目工程师 / Project Engineer 项目工程师 / Project Engineer 检测工程师 / Test Engineer

广东联鼎检测科技有限公司
 GUANGDONG UTL CO., LTD.

Address: Gaoying Village, Building 10A, 18 Songqiang Road of Papan Industrial Zone, Gaoying Village, Gaoying Community, Gaoying District, Longgang District, Guangdong Province, China.
 Tel: 86-0755-8166-1188 Website: www.utl.com.cn Email: zhongguo@utl.com

Report No. LP22040606C01-01
Page 1 of 59

TEST REPORT
 AN500A/M5L 5P42-3018
 Portable Power Packs

Report Number: LP22040606C01-01
 Date of Issue: 2022-09-20
 Total number of pages: 59 pages
 Name of Testing Laboratory preparing the Report: Dongguan Lepont Testing Service Co., Ltd.

Applicant's name: Shenzhen Zhesi Lithium-ion Cycle Technology Co., Ltd
 Address: Floor 4, Building A, Qiancheng Industrial Park, No.18 Songqiang Road, Clear Lake Industrial Zone, Gangqiu Community, Bartlett Street, Longgang District, Shenzhen

Test specification: CANUL 2743 2018
 Standard: Test Report
 Test procedure: N/A
 Non-standard test method: N/A
 Test Report Form No.: UL2743-A2
 Test Report Form(s) Originator: Lepont
 Master TRF: Dated 2021-12-30
 Test item description: 500W Portable Energy Storage
 Trademark: N/A
 Manufacturer: Shenzhen Zhesi Lithium-ion Cycle Technology Co., Ltd. Da Lang Branch
 Address: Floor 4, Building A, Qiancheng Industrial Park, No.18 Songqiang Road, Gaoying Village, Dalang Town, Dongguan City

Factory: Same as manufacturer
 Model and/or type reference: ZES102
 Rating(s): 10.38Vdc, 50Ah, 549Wh
 Input: DC5V/1A
 Output: 2A USB-A, RV2, AA
 USB: 5C3B, 5V3A, 9V3A, 12V1.5A
 TYPE-C PD: 5V3A, 9V3A, 12V1.5A, 16V3A, 20V3A MAX
 AC: 110V/100w, 500W Max
 Cigarette Lighter: 12V/10A
 Jump Start: 800A

Tested by (name, function, signature): *Paul Jiang*
 Approved by (name, function, signature): Steven Chen / Reviewer

Dongguan Lepont Testing Service Co., Ltd. Test Report Form: UL2743-A2

QUALITY MANAGEMENT
 SYSTEM CERTIFICATE

Certificate No.: 04632014422955

We hereby certify that the organization:
Shenzhen Zeseco Li-Ion Recycling Tech Co., Ltd. Dalang Branch Office
 Unified social credit code: 91441906MA551FQ26E
 is in conformity with Quality Management System Standard:
GB/T19001-2016 / ISO9001:2015

The certificate is valid to the following product(s)/service(s):
Research & Development and Production of Lithium Batteries

Registration Address: Room 401, Building 1, No. 18, Gaoying Songqiang Road, Dalang Town, Dongguan City, Guangdong Province, P. R. China
 Physical Address: Floor 4, Building A, Qiancheng Industrial Park, No. 18, Songqiang Road, Gaoying Village, Dalang Town, Dongguan City, Guangdong Province, P. R. China

Date of Issue: 2022-07-31
 Date of Expiry: 2025-07-31

Issued By: *[Signature]*

IAF CNAS
 中国合格评定国家认可委员会
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 04632014422955
 有效期至
 2025-07-31
 管理体系
 质量管理体系
 GB/T19001-2016 / ISO9001:2015

The effectiveness of the Certificate is subject to IAF/CNAS Tick to the Scope of the Certificate. Inspections will be carried out by IAF/CNAS auditors on a regular basis. The Certificate holder must ensure compliance with the applicable standard. Inspections will be carried out by IAF/CNAS auditors on a regular basis. Annual Surveillance Certificate Reviews, Recertification, and Renewal are subject to the terms and conditions of the Certificate. For more information, please contact Beijing Head International Certification Co., Ltd.

Beijing Head International Certification Co., Ltd.
 Address: Room 101, Building 1, No. 18, Gaoying Songqiang Road, Gaoying Village, Dalang Town, Dongguan City, Guangdong Province, P. R. China

Our Products

Power Station



- 01... ZS101/666Wh
- 02... ZS102/555Wh
- 03... ZES103/1500Wh
- 04... CN2000/2300Wh
- 05... ZES23/2700Wh
- 06... ZES28/4100Wh

Energy Storage Battery



- 01... ZES01/2060Wh
- 02... ZES02/4403Wh
- 03... ZES15/4121Wh
- 04... CN5000/5120Wh
- 05... DPX09/2300Wh
- 06... DPX11/8240Wh
- 07... DPX12/4120Wh
- 08... DPX15/14.3KWh
- 09... ZES52/5120Wh
- 10... HLHD1/7680Wh
- 11... DPX13/6140Wh
- 12... SNT07/8190Wh
- 13... SNT08/8190Wh
- 14... SNT10/49.4KWh
- 15... SNT12/30.9KWh

Energy Storage System



- 01... XAD01/274KWh
 - 02... DPX14/247KWh
 - 03... ZES33/430KWh
 - 04... BC-LFP-206K-739-1PL/206KWh
 - 05... BC-LFP-213K-761/213KWh
 - 06... O852280-P/372.7KWh
-

Power Station












Zese power station integrates a variety of power ports, including USB output, DC12V output, AC output and car start output. It is suitable for the operation of lighting, small household appliances, mobile phones, cameras, laptops, on-board electrical appliances, car emergency starting, medical emergency equipment and other products under off-grid or power outage scenarios such as indoor backup power, outdoor activities, car self-driving tours, emergency rescue, etc.



768Wh Power Station

Power supply time reference

 Rice Cooker 500W ~1.5 h	 Laptop 47Wh ~16 times	 Car refrigerator 40~80W 9.6~19.2 h
 Phone 11.1Wh ~69 times	 Projector 150W ~5.1 h	 Camera 14Wh ~54 times
 Fan 20~100W 7~38 h	 Electric blanket 100W ~7.68 h	 Drone 85Wh ~9 times

Specifications










Model	ZS101
Capacity	768Wh
Cell	LFP/3.2V20Ah
Combination	6S2P
AC Output	220V / Pure sine wave / 600W
DC Output	1xQC 3.0 / 2xType-C / 1xUSB 6V/3A
Charge	DC 13.2V/3A
Size	W155*L270*H175mm
Weight	7.8kg



ZESE

666Wh Power Station

Power supply time reference

 Rice Cooker 500W ~1.3 h	 Laptop 47Wh ~14 times	 Car refrigerator 40-80W 8-16 h
 Phone 11.1Wh ~60 times	 Projector 150W ~4.0 h	 Camera 14Wh ~47 times
 Fan 20-100W 6-33 h	 Electric blanket 100W ~6.6 h	 Drone 85Wh ~8 times

Specifications

Model	ZS101
Capacity	666Wh
Cell	NCM/3.7V60Ah
Combination	3S1P
AC Output	220V / pure sine wave / 500W
DC Output	1xQC 3.0 / 1xType-C / 1xUSB 5V/2.4A
Charge	DC 19V/4A
Size	W155*L270*H175mm
Weight	6.88kg



ZESE

555Wh Power Station

Power supply time reference



Rice Cooker
500W
~1.1 times



Laptop
47Wh
~11 times



Car refrigerator
40~80W
6~13 h



Phone
11.1Wh
~50 times



Projector
150W
~3.7 h



Camera
14Wh
~39 times



Fan
20~100W
5.5~27 h



Electric blanket
100W
~5.5 h



Drone
85Wh
~6.5 times

Specifications










Model	ZS102
Capacity	555Wh
Cell	NCM/3.7V132Ah
Combination	3S1P
AC Output	220V / pure sine wave / 500W
DC Output	1xQC 3.0 / 1xType-C / 2xUSB 5V/2.4A 1xCigarette lighter 12V/ 1xIgnition 800A
Charge	DC 14~28V
Size	D160*H268mm
Weight	5.68kg



ZESE

1500Wh Power Station

Power supply time reference

 Rice Cooker 500W ~2.4 h	 Laptop 47Wh ~25 times	 Car refrigerator 40~80W 15~30 h
 Phone 11.1Wh ~100 times	 Projector 150W ~8 h	 Camera 14Wh ~85 times
 Fan 20~100W 12~60 h	 Electric blanket 100W ~12 h	 Drone 85Wh ~14 times

Specifications

Model	ZES103
Capacity	1500Wh
Cell	LiFePO4/3.2V20Ah
Combination	8S3P
AC Output	220V / pure sine wave / 1200W
DC Output	1xQC 3.0 / 1xType-C / 1xUSB 5V/2.4A DC 12V 3A
Charge	DC 14~28V
Size	L365*W310*H290mm
Weight	17.8kg



ZESE

2300Wh Power Station

Power supply time reference



Rice Cooker
500W
~4.6 h



Microwave
500-900W
2.5-4.6 h



Car refrigerator
40-80W
28-34 h



Phone
11.1Wh
~207 times



Laptop
47Wh
~48 times



Camera
14Wh
~164 times



Fan
20-100W
23-115 h



Electric drill
500-800W
2.8-4.6 h



Drone
85Wh
~27 times

Specifications

Model	CN2000
Capacity	2300Wh
Cell	LiFePO4/3.2V23Ah
AC Output	220V / pure sine wave / 3000W
DC Output	1xQC 3.0 / 1xType-C / 1xUSB 5V/2.4A DC 12V/10A
Input	AC 2000W / PV 360W/Car charger 240W
Cycling	>2000 times
Size	W400*L280*H494mm
Weight	26.5kg



ZESE

2700Wh Power Station

Power supply time reference



Rice Cooker
500W
~5.4 h



Microwave
500-900W
3-5 h



Car refrigerator
40-80W
33-67 h



Phone
11.1Wh
~245 times



Laptop
47Wh
~57 times



Camera
14Wh
~192 times



Fan
20-100W
27-135 h



Electric drill
500-800W
3-5 h



Drone
85Wh
~31 times

Specifications

Model	ZES23
Capacity	2700Wh
Cell	LiFePO4/3.2V132Ah
Combination	6S1P
AC Output	220V / pure sine wave / 2000W
DC Output	2xQC 3.0 / 1xType-C / 2xUSB 5V/2.4A 1xCigarette lighter 13.2V/ 2xDC 5521
Charge	AC 25.2V/15A / PV/Adapter 120W
Size	W273*L480*H300mm
Weight	35kg



ZESE

4100Wh Power Station

Power supply time reference



Rice Cooker
500W
~8 h



Microwave
500-900W
4-8 h



Car refrigerator
40-80W
50-100 h



Phone
11.1Wh
~369 times



Laptop
47Wh
~87 times



Camera
14Wh
~292 times



Fan
20-100W
41-205 h



Electric drill
500-800W
5-8 h



Drone
85Wh
~48 times

Specifications

Model	ZES28
Capacity	4100Wh
Cell	LiFePO4/3.2V161Ah
Combination	8S1P
AC Output	220V / pure sine wave / 2000W
DC Output	1xQC 3.0 / 1xType-C / 2xUSB 5V/2.4A 1xCigarette lighter 12V/ 2xDC 12V 2A
Charge	AC 16A/Solar 30A/DC 12V/24V 10A
Size	W440*L595*H535mm
Weight	56kg



Energy Storage Battery



ZESE energy storage battery adopts integrated home appliance design, which is exquisite and beautiful, easy to install, equipped with long-life lithium-ion battery, provides photovoltaic array access, and can provide electricity for residences, public facilities, small factories, etc.

2060Wh

Energy Storage Integrated Battery

ZES01

Cell

Cell Type	LiFePO4
Specification	3.2V161Ah

Module

Rated capacity	2.06KWh
Rated voltage	12.8V
Specification	12.8V161Ah
Number	1
Combination	4S1P

Battery PACK

Rated capacity	2.06KWh
Rated voltage	12.8V
Working voltage range	10.8~14.6V
Standard charging current	0.2C
Standard discharge current	0.5C
Max continuous charge current	0.5C
Max continuous discharge current	1C
Combination	4S1P
Dimensions (WxDxH)	443*142*709mm
Reference weight	35kg
Communication	TTL

Others

SOC working range	5~95%
SOC accuracy	5%
Cycle life	≥ 2000
Charging temp. range	10~45° C
Discharge temp. range	-10~55° C
Optimum storage temperature	15~30° C
Environment humidity	20~80%
Self-discharge rate/month	≤ 3%
IP protection class	IP54



4403Wh

Energy Storage Integrated Battery

ZES02

Cell

Cell Type	LiFePO4
Specification	3.2V86Ah

Module

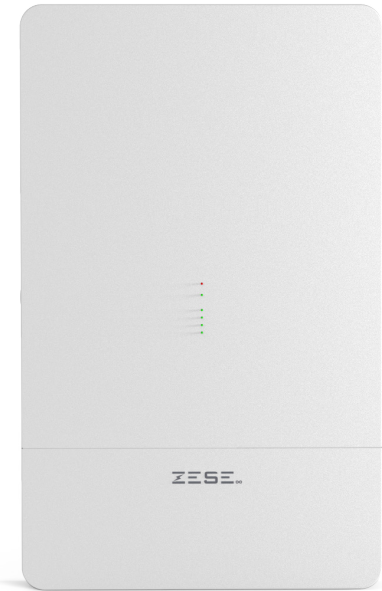
Rated capacity	1100Wh
Rated voltage	12.8V
Specification	12.8V86Ah
Number	4
Combination	4S1P

Battery PACK

Rated capacity	4403Wh
Rated voltage	51.2V
Working voltage range	43.2~58.4V
Standard charging current	0.2C
Standard discharge current	0.5C
Max continuous charge current	0.5C
Max continuous discharge current	1C
Combination	16S1P
Dimensions (WxDxH)	500*148*824mm
Reference weight	57kg
Communication	RS485/232

Others

SOC working range	5~95%
SOC accuracy	5%
Cycle life	≥ 2000
Charging temp. range	10~45° C
Discharge temp. range	-10~55° C
Optimum storage temperature	15~30° C
Environment humidity	20~80%
Self-discharge rate/month	≤ 3%
IP protection class	IP54



4121Wh

Energy Storage Integrated Battery

ZES15

Cell

Cell Type	LiFePO4
Specification	3.2V161Ah

Module

Rated capacity	2060Wh
Rated voltage	12.8V
Specification	12.8V161Ah
Number	2
Combination	4S1P

Battery PACK

Rated capacity	4120Wh
Rated voltage	25.6V
Working voltage range	21.6~29.2V
Standard charging current	0.2C
Standard discharge current	0.5C
Max continuous charge current	0.5C
Max continuous discharge current	1C
Combination	8S1P
Dimensions (WxDxH)	470*143*720mm
Reference weight	44kg
Communication	RS485/232

Others

SOC working range	5~95%
SOC accuracy	5%
Cycle life	≥ 2000
Charging temp. range	10~45° C
Discharge temp. range	-10~55° C
Optimum storage temperature	15~30° C
Environment humidity	20~80%
Self-discharge rate/month	≤ 3%
IP protection class	IP54



5120Wh

Energy Storage Integrated Battery

CN5000



Cell

Cell Type	LiFePO4
Specification	3.2V100Ah

Module

Rated capacity	5120Wh
Rated voltage	51.2V
Specification	51.2V100Ah
Number	1
Combination	16S1P

Battery PACK

Rated capacity	5120Wh
Rated voltage	51.2V
Working voltage range	44.8~57.6V
Standard charging current	0.2C
Standard discharge current	0.5C
Max continuous charge current	0.5C
Max continuous discharge current	1C
Combination	16S1P
Dimensions (WxDxH)	387*581*133mm
Reference weight	68kg
Communication	RS485/232/CAN

Others

SOC working range	5~95%
SOC accuracy	5%
Cycle life	≥ 2000
Charging temp. range	10~45° C
Discharge temp. range	-10~55° C
Optimum storage temperature	15~30° C
Environment humidity	20~80%
Self-discharge rate/month	≤ 3%
IP protection class	IP22

2300Wh

Multi-series and parallel

Energy Storage Battery

DPX09



Cell

Cell Type	LiFePO4
Specification	3.2V180Ah

Module

Rated capacity	2300Wh
Rated voltage	12.8V
Specification	12.8V180Ah
Number	1
Combination	4S1P

Battery PACK

Rated capacity	2300Wh
Rated voltage	12.8V
Working voltage range	10.8~14.6V
Standard charging current	0.2C
Standard discharge current	0.5C
Max continuous charge current	0.5C
Max continuous discharge current	1C
Combination	4S1P
Dimensions (WxDxH)	300*410*227mm
Reference weight	22kg
Communication	N/A

Others

SOC working range	5~95%
SOC accuracy	5%
Cycle life	≥ 2000
Charging temp. range	10~45° C
Discharge temp. range	-10~55° C
Optimum storage temperature	15~30° C
Environment humidity	20~80%
Self-discharge rate/month	≤ 3%
IP protection class	IP54

8240Wh Multi-parallel Energy Storage Battery

DPX11



Cell

Cell Type	LiFePO4
Specification	3.2V161Ah

Module

Rated capacity	8240Wh
Rated voltage	51.2V
Specification	51.2V161Ah
Number	1
Combination	16S1P

Battery PACK

Rated capacity	8240Wh
Rated voltage	51.2V
Working voltage range	40~58.4V
Standard charging current	0.2C
Standard discharge current	0.5C
Max continuous charge current	0.5C
Max continuous discharge current	1C
Combination	16S1P
Dimensions (WxDxH)	440*700*222mm
Reference weight	68kg
Communication	RS485/232

Others

SOC working range	5~95%
SOC accuracy	5%
Cycle life	≥ 2000
Charging temp. range	10~45° C
Discharge temp. range	-10~55° C
Optimum storage temperature	15~30° C
Environment humidity	20~80%
Self-discharge rate/month	≤ 3%
IP protection class	IP21

4120Wh

Multi-parallel Energy Storage Battery

DPX12



Cell

Cell Type	LiFePO4
Specification	3.2V161Ah

Module

Rated capacity	4120Wh
Rated voltage	25.6V
Specification	25.6V161Ah
Number	1
Combination	8S1P

Battery PACK

Rated capacity	4120Wh
Rated voltage	25.6V
Working voltage range	21.6~29.2V
Standard charging current	0.2C
Standard discharge current	0.5C
Max continuous charge current	0.5C
Max continuous discharge current	1C
Combination	8S1P
Dimensions (WxDxH)	440*444*222mm
Reference weight	44kg
Communication	RS485/232

Others

SOC working range	5~95%
SOC accuracy	5%
Cycle life	≥ 2000
Charging temp. range	10~45° C
Discharge temp. range	-10~55° C
Optimum storage temperature	15~30° C
Environment humidity	20~80%
Self-discharge rate/month	≤ 3%
IP protection class	IP21

14.3KWh Multi-parallel Energy Storage Battery

DPX15

Cell

Cell Type	LiFePO4
Specification	3.2V280Ah

Module

Rated capacity	14.3KWh
Rated voltage	51.2V
Specification	51.2V280Ah
Number	1
Combination	16S1P

Battery PACK

Rated capacity	14.3KWh
Rated voltage	51.2V
Working voltage range	48~58.4V
Standard charging current	0.2C
Standard discharge current	0.5C
Max continuous charge current	0.5C
Max continuous discharge current	1C
Combination	16S1P
Dimensions (WxDxH)	501*442*531mm
Reference weight	122kg
Communication	RS485/232

Others

SOC working range	5~95%
SOC accuracy	5%
Cycle life	≥ 2000
Charging temp. range	10~45° C
Discharge temp. range	-10~55° C
Optimum storage temperature	15~30° C
Environment humidity	20~80%
Self-discharge rate/month	≤ 3%
IP protection class	IP21



5120Wh Multi-parallel Energy Storage Battery

ZES52



Cell

Cell Type	LiFePO4
Specification	3.2V100Ah

Module

Rated capacity	5120Wh
Rated voltage	51.2V
Specification	51.2V100Ah
Number	1
Combination	16S1P

Battery PACK

Rated capacity	5120Wh
Rated voltage	51.2V
Working voltage range	48~58.4V
Standard charging current	0.2C
Standard discharge current	0.5C
Max continuous charge current	0.5C
Max continuous discharge current	1C
Combination	16S1P
Dimensions (WxDxH)	442*420*133mm
Reference weight	45kg
Communication	RS485/232

Others

SOC working range	5~95%
SOC accuracy	5%
Cycle life	≥ 2000
Charging temp. range	10~45° C
Discharge temp. range	-10~55° C
Optimum storage temperature	15~30° C
Environment humidity	20~80%
Self-discharge rate/month	≤ 3%
IP protection class	IP21

7680KWh

Multi-parallel

Energy Storage Battery

XLHD1



Cell

Cell Type	LiFePO4
Specification	3.2V150Ah

Module

Rated capacity	7680Wh
Rated voltage	51.2V
Specification	51.2V150Ah
Number	1
Combination	16S1P

Battery PACK

Rated capacity	7680Wh
Rated voltage	51.2V
Working voltage range	48~58.4V
Standard charging current	0.2C
Standard discharge current	0.5C
Max continuous charge current	0.5C
Max continuous discharge current	1C
Combination	16S1P
Dimensions (WxDxH)	442*480*222mm
Reference weight	70kg
Communication	RS485/232

Others

SOC working range	5~95%
SOC accuracy	5%
Cycle life	≥ 2000
Charging temp. range	10~45° C
Discharge temp. range	-10~55° C
Optimum storage temperature	15~30° C
Environment humidity	20~80%
Self-discharge rate/month	≤ 3%
IP protection class	IP21

8190Wh Energy Storage Battery

SNT07

Cell

Cell Type	LiFePO4
Specification	3.2V160Ah

Module

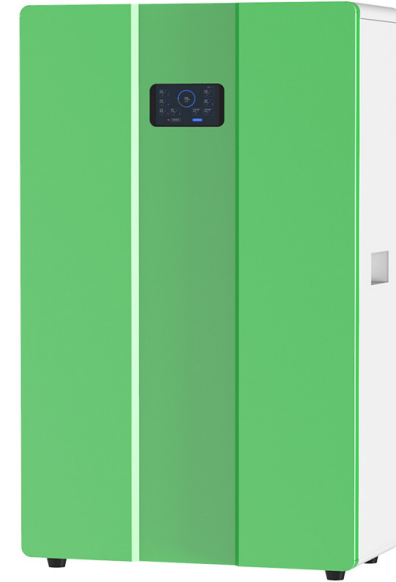
Rated capacity	2048Wh
Rated voltage	12.8V
Specification	12.8V160Ah
Number	4
Combination	4S1P

Battery PACK

Rated capacity	8.19KWh
Rated voltage	51.2V
Working voltage range	43.2~58.4V
Standard charging current	0.2C
Standard discharge current	0.5C
Max continuous charge current	0.5C
Max continuous discharge current	1C
Combination	16S1P
Dimensions (WxDxH)	500*242*793mm
Reference weight	75kg
Communication	RS485/CAN

Others

SOC working range	5~95%
SOC accuracy	5%
Cycle life	≥ 2000
Charging temp. range	10~45° C
Discharge temp. range	-10~55° C
Optimum storage temperature	15~30° C
Environment humidity	20~80%
Self-discharge rate/month	≤ 3%
IP protection class	IP54



8190Wh Energy Storage Battery

SNT08

Cell

Cell Type	LiFePO4
Specification	3.2V160Ah

Module

Rated capacity	2048Wh
Rated voltage	12.8V
Specification	12.8V160Ah
Number	4
Combination	4S1P

Battery PACK

Rated capacity	8.19KWh
Rated voltage	51.2V
Working voltage range	43.2~58.4V
Standard charging current	0.2C
Standard discharge current	0.5C
Max continuous charge current	0.5C
Max continuous discharge current	1C
Combination	16S1P
Dimensions (WxDxH)	500*242*793mm
Reference weight	75kg
Communication	RS485/CAN

Others

SOC working range	5~95%
SOC accuracy	5%
Cycle life	≥ 2000
Charging temp. range	10~45° C
Discharge temp. range	-10~55° C
Optimum storage temperature	15~30° C
Environment humidity	20~80%
Self-discharge rate/month	≤ 3%
IP protection class	IP54



49.4KWh Energy Storage Battery

SNT10

Cell

Cell Type	LiFePO4
Specification	3.2V206Ah

Module

Rated capacity	9888Wh
Rated voltage	48V
Specification	48V206Ah
Number	5
Combination	15S1P

Battery PACK

Rated capacity	49.4KWh
Rated voltage	240V
Working voltage range	202.5~273.75V
Standard charging current	0.2C
Standard discharge current	0.5C
Max continuous charge current	0.5C
Max continuous discharge current	1C
Combination	75S1P
Dimensions (WxDxH)	720*615*1602mm
Reference weight	580kg
Communication	RS485/CAN

Others

SOC working range	5~95%
SOC accuracy	5%
Cycle life	≥ 2000
Charging temp. range	10~45° C
Discharge temp. range	-10~55° C
Optimum storage temperature	15~30° C
Environment humidity	20~80%
Self-discharge rate/month	≤ 3%
IP protection class	IP54



30.91KWh Energy Storage Battery

SNT12

Cell

Cell Type	LiFePO4
Specification	3.2V161Ah

Module one

Rated capacity	4121Wh
Rated voltage	25.6V
Specification	25.6V161Ah
Number	7
Combination	8S1P

Module two

Rated capacity	2060Wh
Rated voltage	12.8V

Specification	12.8V161Ah
Number	1
Combination	4S1P

Battery PACK

Rated capacity	30.91KWh
Rated voltage	192V
Working voltage range	180~216V
Standard charging current	0.2C
Standard discharge current	0.5C
Max continuous charge current	0.5C
Max continuous discharge current	1C
Combination	60S1P
Dimensions (WxDxH)	810*538*890mm
Reference weight	280kg
Communication	RS485/CAN



Others

SOC working range	5~95%
SOC accuracy	5%
Cycle life	≥ 2000
Charging temp. range	10~45° C
Discharge temp. range	-10~55° C
Optimum storage temperature	15~30° C
Environment humidity	20~80%
Self-discharge rate/month	≤ 3%
IP protection class	IP54

Energy Storage System



ZESE energy storage system is applied to wind power and photovoltaic power generation, which can smooth the power output fluctuation, reduce its impact on the power system, improve the power station's ability to track the planned output, and provide backup energy for the construction and operation of renewable energy power stations. The application of high-temperature heat storage technology in CSP can suppress the unstable output caused by unstable lighting conditions and improve the dispatchability of the power station.

274KWh Industrial Energy Storage System



XAD01

Cell

Cell Type	LiFePO4
Specification	3.2V85Ah

Battery Box

Rated capacity	4896Wh
Specification	28.8V 170Ah
Number	56
Combination	9S2P

Battery Cluster

Rated capacity	137KWh
Rated voltage	806.4V
Combination	252S2P
Number	2

System

Rated capacity	274KWh
Rated voltage	806.4V
Working voltage range	630~919.8V (DC)
Rated output voltage	380V (AC)
Combination	252S4P
Dimensions (WxDxH)	2609*1700*2295mm
Reference weight	<4.5t
Communication	Ethernet/RS485

Others

Output wiring method	Three-phase four-wire
Total Current Harmonic Distortion	<3%
Power factor	-1~+1 (adjustable)
Allowable Internal temperature	-20~+55°C
Best working temperature	-10~+40°C
Allowable relative humidity	5%~95%
Allowable altitude	≤ 2000m
Noise	<78dB
IP protection class	IP55 or NEMA 3R
Cycle life	2000 times

247KWh Industrial Energy Storage System



DPX14

Cell

Cell Type	LiFePO4
Specification	3.2V161Ah

Battery Box

Rated capacity	8243Wh
Specification	51.2V161Ah
Number	15
Combination	16S1P

Battery Cluster

Rated capacity	123.5KWh
Rated voltage	768V
Combination	240S1P
Number	2

System

Rated capacity	247KWh
Rated voltage	768V
Working voltage range	648~850V
Rated output voltage	400V
Combination	240S2P
Dimensions (WxDxH)	1055*2234*2000mm
Reference weight	<4.0t
Communication	Ethernet/RS485

Others

Output wiring method	Three-phase four-wire
Total Current Harmonic Distortion	<3%
Power factor	-1~+1(adjustable)
Allowable Internal temperature	-20~+55°C
Best working temperature	-10~+40°C
Allowable relative humidity	5%~95%
Allowable altitude	≤ 2000m
Noise	<78dB
IP protection class	IP55 or NEMA 3R
Cycle life	4000 times

430KWh Industrial Energy Storage System



ZES33

Cell

Cell Type	LiFePO4
Specification	3.2V280Ah

Battery Box

Rated capacity	14.3KWh
Specification	51.2V 280Ah
Number	30
Combination	16S1P

Battery Cluster

Rated capacity	215KWh
Rated voltage	768V
Combination	240S1P
Number	2

System

Rated capacity	430KWh
Rated voltage	768V
Working voltage range	648 ~ 850V (DC)
Rated output voltage	800V (AC)
Combination	240S2P
Dimensions (WxDxH)	1513*2032*2278mm
Reference weight	<4.0t
Communication	Ethernet/RS485

Others

Output wiring method	Three-phase four-wire
Total Current Harmonic Distortion	<3%
Power factor	-1~+1 (adjustable)
Allowable Internal temperature	-20~+55°C
Best working temperature	-10~+40°C
Allowable relative humidity	5%~95%
Allowable altitude	≤ 2000m
Noise	<78dB
IP protection class	IP54 or NEMA 3R
Cycle life	2000 times

206KWh

Energy storage battery cabinet

BC-LFP-206K-739-1PL

Battery

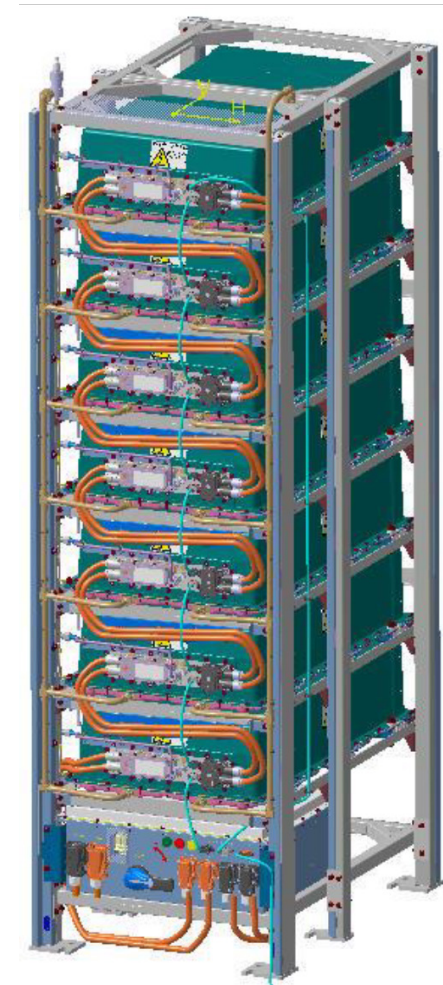
Cell Type	LiFePO4
Rated capacity	206.97KWh
Rated voltage	739.2VDC
Working voltage range	646.8~831.6VDC
Standard charging Power	0.5P
Max charging Power	1P
Standard discharging Power	0.5P
Max discharging Power	1P

Environment

Operating temperature	Charging 0~54°C
	Discharging -25~60°C
Storage temperature	-25~60°C
Storage humidity	RH ≤ 95%
Altitude	≤ 2000m

General parameter

Dimensions (WxDxH)	775*1100*2480mm
Reference weight	2100kg
Communication	CAN 2.0
IP protection	IP54
Cooling mode	Liquid cooling



213KWh

Energy storage battery cabinet

BC-LFP-213K-761

Battery

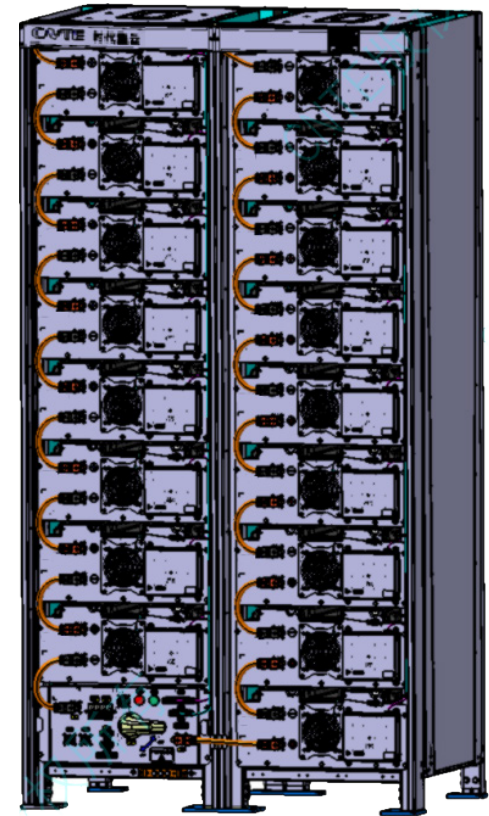
Cell Type	LiFePO4
Rated capacity	213.2KWh
Rated voltage	761.6VDC
Working voltage range	666.4~856VDC
Standard charging Power	0.5P
Max charging Power	1P
Standard discharging Power	0.5P
Max discharging Power	1P

Environment

Operating temperature	Charging 0~54°C
	Discharging -25~60°C
Storage temperature	-30~60°C
Storage humidity	RH ≤ 95%
Altitude	≤ 2000m

General parameter

Dimensions (WxDxH)	1200*725*2300mm
Reference weight	1900kg
Communication	CAN 2.0B
IP protection	IP20
Cooling mode	Air cooling



ZESE

372.7KWh Outdoor Liquid Cooling Rack

0852280-P

Battery Module

Rated capacity	46.592KWh
Cell Number	52
Voltage range	145.6~187.2V
Nominal voltage	166.4VDC
Rated charging rate	1P
Rated discharging rate	1P
Max continuous current	280A
Dimensions (WxDxH)	810*1152*243.4mm
Reference weight	330kg

Chiller

Voltage range	176~264V AC(L-N)
Heating Power	3000W
Cooling Power	3300W
Surge power	7KW

BMS

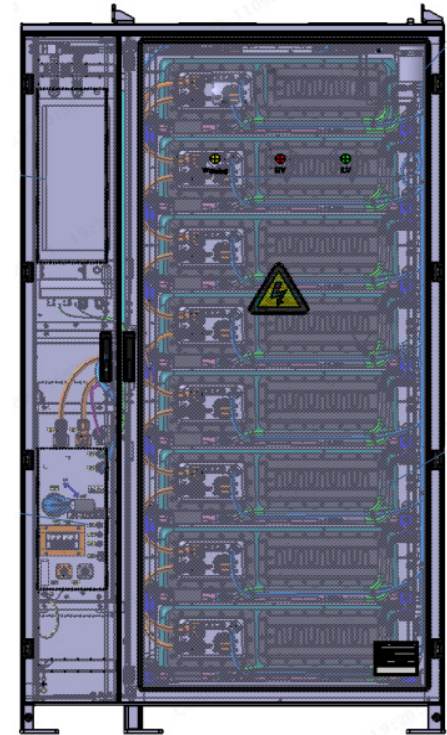
Voltage range	22V~26V(DC)
Operating State power consumption	60W

Battery Rack

Nominal Power	372.7KWh
Rated voltage	1331.2V
Working voltage range (DC)	1164.8~1497.6V
Max continuous current	320A
Rated Power	372.7kW
Dimensions (WxDxH)	1300*1300*2280mm
Reference weight	<3700±50kg
Anti-corrosion grade	C5

General parameter

Storage Temperature	-35~60° C
Operating temperature	Charging: 0~55°C Discharging: -30~55°C
IP protection	IP 66
Communication	CAN
Cooling mode	Liquid cooling



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