ZHONGCHI POWER

ZHONGCHI POWER

Energy Storage Solution Expert

Green Development, Sustainable Future

Make every kilowatt-hour fully utilized

ZHONGCHI POWER

Company Profile

Founded in 2018, zhongchi Group focuses on the R&D, production and sales of lithium iron phosphate batteries, energy storage systems, solar energy systems and integrated energy system solutions. We are actively expanding the global market and committed to making new breakthroughs and contributions to a green and sustainable ecological environment.

Leading TechnologyWe own independently developed core technologies and keep at the forefront of the solar and battery industries.

Superior QualityWe implement strict quality control over all products and have obtained certifications including ISO, CE, UN3536 and IEC.

Professional TeamWe gather industry elites with rich project experience to provide customers with all-round services.

Sustainable DevelopmentAdhering to the concept of green development, we actively fulfill social responsibilities and strive for a better future.

2018-2021

Since its establishment, our company has rapidly completed the research and development, testing and mass production of high and low voltage energy storage systems. In 2020, our products were successfully exported to more than 30 countries worldwide.

The company has obtained ISO certifications for three major management systems, and completed full-model compliance certifications including CE, RoHS, UN38.3 and MSDS.

2022-2025

The company has achieved rapid development with its team expanding to over 100 employees. It participated in the design and commissioning of the 100MWh energy storage project in Côte d'Ivoire, West Africa, delivering an annual power generation of 0.5GWh.

A new liquid cooling production line and supporting workshops have been built. The available area of the PACK workshop is expected to exceed 20,000 square meters in the second half of the year. The company plans to achieve an annual production capacity of over 2GWh by 2025.

1.65GWh+

Total Shipment Volume

2GWh+

2025 Production Capacity

5GWh+

2028 Production Capacity

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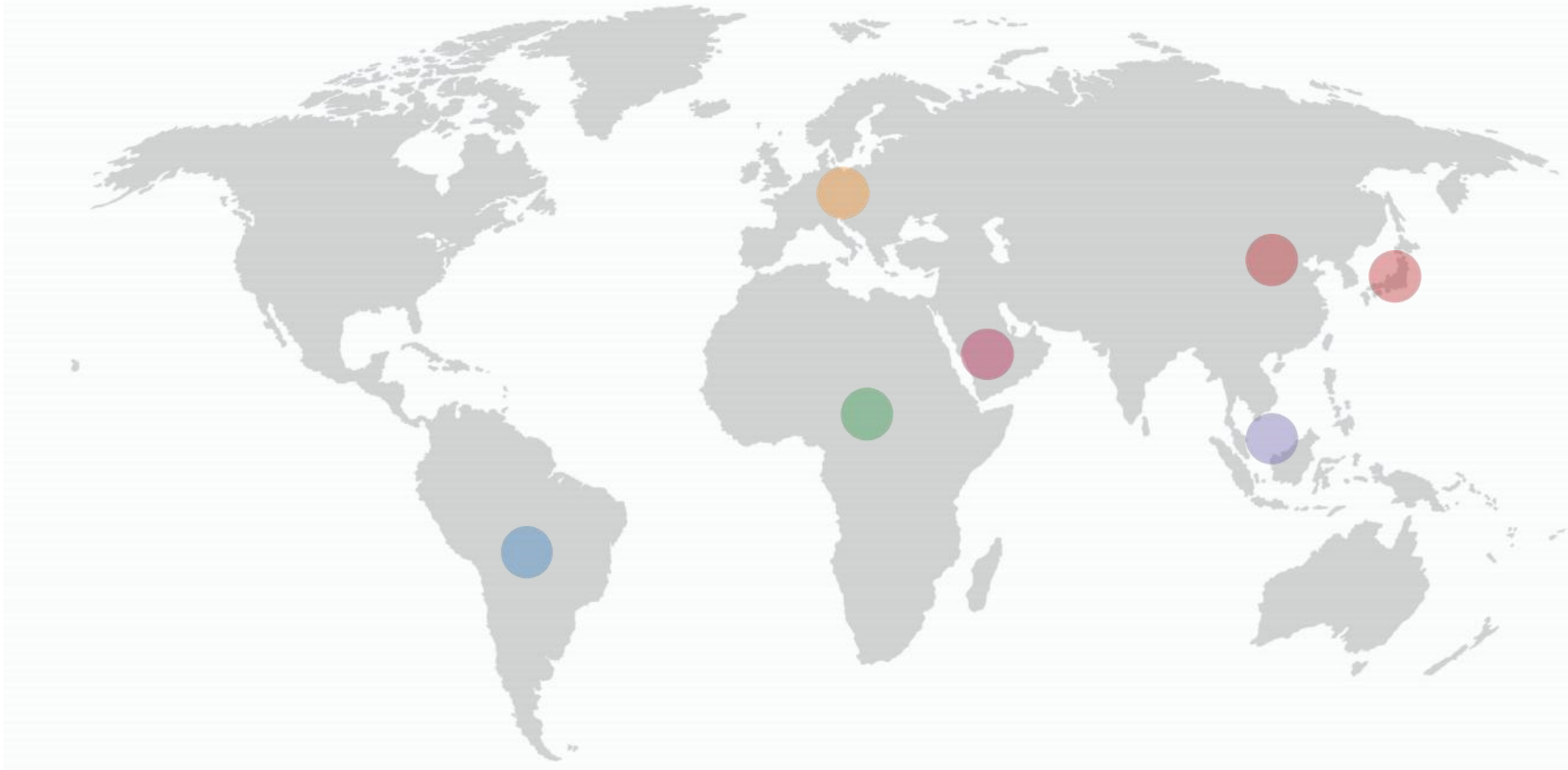
Market Layout



South America
- Brazil
- Ecuador
- Chile

Africa
- South Africa
- Côte d'Ivoire
- Nigeria
- Equatorial Guinea

Europe
- Germany
- Estonia
- Belgium
- Switzerland

Southeast Asia
- Indonesia
- Thailand
- Malaysia

Middle East
- Yemen
- UAE

East Asia
- China
- Japan

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ZCR Series

Rack-mounted lithium battery module

The ZCR series is designed for flexible capacity expansion. These modular batteries can be integrated into residential and commercial applications, delivering reliable power in both 48V and 51.2V configurations.

Low Voltage 48V

Model	ZCR-100-15S	ZCR-200-15S	ZCR-280-15S	ZCR-314-15S
Nominal Energy (Wh)	4800	9600	13440	15072
Nominal Voltage (V)	48	48	48	48
Capacity (Ah)	100	200	280	314
Effective Energy (Wh)	4320	8460	12096	13564.8
Charge/Discharge Voltage (V)	42.75~53.25	42.75~53.25	42.75~53.25	42.75~53.25
Recommended Charge/Discharge Current (A)	50	100	140	157
Maximum charge/discharge Current (A)	100 (3S)	200 (3S)	200 (3S)	200 (3S)
Communication Method	RS485/CAN/ Bluetooth (optional)	RS485/CAN/ Bluetooth (optional)	RS485/CAN/ Bluetooth (optional)	RS485/CAN/ Bluetooth (optional)
working temperature	0-40℃	0-40℃	0-40℃	0-40℃
Storage Temperature	-20-70℃	-20-70℃	-20-70℃	-20-70℃
Humidity	15-80%	15-80%	15-80%	15-80%
Cycle Life	≥4000@25℃	≥4000@25℃	≥6000@25℃	≥6000@25℃
Design Life	10 years+	10 years+	10 years+	10 years+
Electrical Design Redundancy	>20%	>20%	>20%	>20%
size （mm）	496*400*145	496*720*145	437*875*239	437*875*239
Weight (kg)	48	94	110	110
Attestation	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS

Compatible with brands such as Deye, Atess, Megarevo, Sinexcel, Solis, and Growatt.

Low Voltage 51.2V

Model	ZCR-100-16S	ZCR-200-16S	ZCR-280-16S	ZCR-314-16S
Nominal Energy (Wh)	5120	10240	14336	16076.8
Nominal Voltage (V)	51.2	51.2	51.2	51.2
Capacity (Ah)	100	200	280	314
Effective Energy (Wh)	4608	9216	12902.4	14469.12
Charge/Discharge Voltage (V)	45.6~56.8	45.6~56.8	45.6~56.8	45.6~56.8
Recommended Charge/Discharge Current (A)	50	100	140	157
Maximum charge/discharge Current (A)	100 (3S)	200 (3S)	200 (3S)	200 (3S)
Communication Method	RS485/CAN/ Bluetooth (optional)	RS485/CAN/ Bluetooth (optional)	RS485/CAN/ Bluetooth (optional)	RS485/CAN/ Bluetooth (optional)
working temperature	0-40℃	0-40℃	0-40℃	0-40℃
Storage Temperature	-20-70℃	-20-70℃	-20-70℃	-20-70℃
Humidity	15-80%	15-80%	15-80%	15-80%
Cycle Life	≥4000@25℃	≥4000@25℃	≥6000@25℃	≥6000@25℃
Design Life	10 years+	10 years+	10 years+	10 years+
Electrical Design Redundancy	>20%	>20%	>20%	>20%
size （mm）	496*400*145	496*720*145	437*875*239	437*875*239
Weight (kg)	48	94	110	110
Attestation	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS

Compatible with brands such as Deye, Atess, Megarevo, Sinexcel, Solis, and Growatt.

ZHONGCHI POWER

ZCW Series

Wall-mounted lithium battery module

The HZW series is specifically designed for flexible capacity expansion, seamlessly integrating into both residential and commercial applications to deliver reliable power wherever needed.

Low Voltage 48V

Model	ZCW-100-15S	ZCW-200-15S	ZCW-280-15S	ZCW-314-15S
Nominal Energy (Wh)	4800	9600	13440	15072
Nominal Voltage (V)	48	48	48	48
Capacity (Ah)	100	200	280	314
Effective Energy (Wh)	4320	8640	12096	13564.8
Charge/Discharge Voltage (V)	42.75~53.25	42.75~53.25	42.75~53.25	42.75~53.25
Recommended Charge/Discharge Current (A)	50	100	140	157
Maximum charge/discharge Current (A)	100 (3S)	200 (3S)	200 (3S)	200 (3S)
Communication Method	RS485/CAN/ Bluetooth (optional)	RS485/CAN/ Bluetooth (optional)	RS485/CAN/ Bluetooth (optional)	RS485/CAN/ Bluetooth (optional)
working temperature	0-40℃	0-40℃	0-40℃	0-40℃
Storage Temperature	-20-70℃	-20-70℃	-20-70℃	-20-70℃
Humidity	15-80%	15-80%	15-80%	15-80%
Cycle Life	≥4000@25℃	≥4000@25℃	≥6000@25℃	≥6000@25℃
Design Life	10 years+	10 years+	10 years+	10 years+
Electrical Design Redundancy	>20%	>20%	>20%	>20%
size （mm）	454*423*177	454*744*177	631*473*266	631*473*266
Weight (kg)	53	104	110	110
Attestation	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS

Compatible with brands such as Deye, Atess, Megarevo, Sinexcel, Solis, and Growatt.

Low Voltage 51.2V

Model	ZCW-100-16S	ZCW-200-16S	ZCW-280-16S	ZCW-314-16S
Nominal Energy (Wh)	5120	10240	14336	16076.8
Nominal Voltage (V)	51.2	51.2	51.2	51.2
Capacity (Ah)	100	200	280	314
Effective Energy (Wh)	4608	9216	12902.4	14469.12
Charge/Discharge Voltage (V)	45.6~56.8	45.6~56.8	45.6~56.8	45.6~56.8
Recommended Charge/Discharge Current (A)	50	100	140	157
Maximum charge/discharge Current (A)	100 (3S)	200 (3S)	200 (3S)	200 (3S)
Communication Method	RS485/CAN/ Bluetooth (optional)	RS485/CAN/ Bluetooth (optional)	RS485/CAN/ Bluetooth (optional)	RS485/CAN/ Bluetooth (optional)
working temperature	0-40℃	0-40℃	0-40℃	0-40℃
Storage Temperature	-20-70℃	-20-70℃	-20-70℃	-20-70℃
Humidity	15-80%	15-80%	15-80%	15-80%
Cycle Life	≥4000@25℃	≥4000@25℃	≥6000@25℃	≥6000@25℃
Design Life	10 years+	10 years+	10 years+	10 years+
Electrical Design Redundancy	>20%	>20%	>20%	>20%
size （mm）	454*423*177	454*744*177	631*473*266	631*473*266
Weight (kg)	53	104	110	110
Attestation	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS

Compatible with brands such as Deye, Atess, Megarevo, Sinexcel, Solis, and Growatt.

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ZCM Series

Roller-type lithium battery module

With high power output, fast charging, long lifespan, and exceptional reliability, this portable power bank delivers instant availability for on-the-go use.

Product features

- Design service life exceeding 10 years, with a 5-year warranty period.
- Modular design, high energy density, and easy installation
- 90% Discharge Depth (DOD)
- Compatible with multi-brand inverters
- ≥6000 cycles
- Safe, efficient, and Use quickly

Low Voltage 51.2V

Model	ZCM-280-16S	ZCM-314-16S
Nominal Energy (Wh)	14336	16076.8
Nominal Voltage (V)	51.2	51.2
Capacity (Ah)	280	314
Effective Energy (Wh)	12902.4	14469.12
Charge/Discharge Voltage (V)	45.6~56.8	45.6~56.8
Recommended Charge/Discharge Current (A)	140	157
Maximum charge/discharge Current (A)	200 (3S)	200 (3S)
Communication Method	RS485/CAN/ Bluetooth (optional)	RS485/CAN/ Bluetooth (optional)
Working temperature	0-40℃	0-40℃
Storage Temperature	-20-70℃	-20-70℃
Humidity	15-80%	15-80%
Cycle Life	≥6000@25℃	≥6000@25℃
Design Life	10 years+	10 years+
Electrical Design Redundancy	>20%	>20%
Size (mm)	761*260*503/493*260*794	761*260*503/493*260*794
Weight (kg)	118	118
Attestation	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS

Compatible with brands such as Deye, Atess, Megarevo, Sinexcel, Solis, and Growatt.

ZCS Series

Stacked lithium-ion battery module

Each unit can function as an independent power source and can be easily stacked or connected in parallel, thereby doubling the total capacity and power output.

Product features

- Design service life exceeding 10 years, with a 5-year warranty period.
- Modular design, high energy density, and easy installation
- 90% Discharge Depth (DOD)
- Compatible with multi-brand inverters
- ≥4000 cycles
- Safe, efficient, and Use quickly

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Low Voltage 51.2V

Model	ZCS-100-16S				
Nominal Energy (Wh)	10240	15360	20480	25600	30720
Nominal Voltage (V)	51.2				
Capacity (Ah)	100				
Effective Energy (Wh)	9216	13824	18432	23040	27648
Charge/Discharge Voltage (V)	45.6~56.8				
Recommended Charge/Discharge Current (A)	100	150	200	250	300
Maximum charge/discharge Current (A)	200 (3S)	300 (3S)	400 (3S)	500 (3S)	600 (3S)
Communication Method	RS485/CAN/Bluetooth(optional)				
working temperature	0-40℃				
Storage Temperature	-20-70℃				
Humidity	15-80%				
Cycle Life	≥4000@25℃				
Design Life	10 years+				
Electrical Design Redundancy	>20%				
size (mm)	525*510*415	525*510*615	525*510*815	525*510*1015	525*510*1215
Weight (kg)	126	189	252	315	378
Attestation	CE/ IEC/UN38.3/ MSDS				

Compatible with brands such as Deye, Atess, Megarevo, Sinexcel, Solis, and Growatt.

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ZCH Series (air-cooled)

High-voltage lithium battery module (400V/0.5C)

The 400V high-voltage rack-mounted lithium battery energy storage system features a standard rack design and incorporates advanced high-voltage battery technology.

Battery Cluster

High Voltage Box

Battery Module

Product features

- Design service life exceeding 10 years, with a 5-year warranty period.
- Modular design, high energy density, and easy installation
- 90% Discharge Depth (DOD)
- Compatible with multi-brand inverters
- ≥4000 cycles
- Safe, efficient, and Use quickly

Parameter

model	LFP48100	LFP51100	LFP25200
Nominal energy (WH)	4800	5120	5120
nominal voltage (V)	48	51.2	25.6
Effective Energy (WH)	4320	4608	4608
Charging/Discharging Voltage (V)	42.75~53.25	45.6~56.8	22.8~28.4
Charge/Discharge Current (A)	50	50	100
power dissipation (W)	≤10	≤10	≤10
monitor	system voltage cell voltage Battery temperature System Current Battery Level	system voltage cell voltage Battery temperature System Current Battery Level	system voltage cell voltage Battery temperature System Current Battery Level
cooling-down method	forced air cooling	forced air cooling	forced air cooling
designed life	10 years or more	10 years or more	10 years or more
cycle life	≥4000@25℃	≥4000@25℃	≥4000@25℃
communication mode	RS485/CAN	RS485/CAN	RS485/CAN
working temperature	0-40℃	0-40℃	0-40℃
storage temperature	-20-70℃	-20-70℃	-20-70℃
humidity	15-80%	15-80%	15-80%
size (mm)	480* 430*178	480 * 430 * 178	480*430*178
weight (Kg)	49	49	49

Compatible with brands such as Deye, Atess, Megarevo, Sinexcel, Solis, and Growatt.

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ZCH Series (air-cooled)

High-voltage lithium battery module ((800V/1C)

rack design compatible with the 800V high-voltage platform enables rapid deployment and flexible scalability.

Battery Cluster

High Voltage Box

Battery Module

Product features

- Design service life exceeding 10 years, with a 5-year warranty period.
- Modular design, high energy density, and easy installation
- 90% Discharge Depth (DOD)
- Compatible with multi-brand inverters
- ≥4000 cycles
- Safe, efficient, and Use quickly

Parameter

Model	LFP76120
Nominal Energy (Wh)	9216
Nominal Voltage (V)	76.8
Effective Energy (Wh)	8294.4
Charge/Discharge Voltage (V)	68.4~85.2
Recommended Charge/Discharge Current (A)	120
power dissipation (W)	≤10
monitor	System voltage, Battery voltage, Battery temperature, System current, Energy level status
cooling-down method	forced air cooling
designed life	10 years+
cycle life	≥4000@25℃
communication mode	RS485/CAN
working temperature	0-40℃
storage temperature	-20-70℃
humidity	15-80%
size (mm)	468*642*202
weight (Kg)	86

Compatible with brands such as Deye, Atess, Megarevo, Sinexcel, Solis, and Growatt.

ZCH Series (air-cooled)

High-voltage lithium battery modulerate(800V/1200V)0.5C

The 1200V high-voltage frame-type lithium battery energy storage system has ushered in the "ultra-high voltage era" for industrial and commercial energy storage applications, serving as a flagship product characterized by higher efficiency, lower costs, and a more compact design.

Product features

- Design service life exceeding 10 years, with a 5-year warranty period.
- Modular design, high energy density, and easy installation
- 90% Discharge Depth (DOD)
- Compatible with multi-brand inverters
- ≥6000 cycles
- Safe, efficient, and Use quickly

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Battery Cluster

High Voltage Box

Battery Module

Parameter

model	LFP51280	LFP51314
Standard Energy (WH)	14336	16076.8
nominal voltage （V）	51.2	51.2
Effective Energy (WH)	12902.4	14469.12
Charge/Discharge voltage （V）	45.6~56.8	45.6~56.8
Charge/Discharge Current (A)	140	157
power dissipation （W）	≤10	≤10
monitor	system voltage cell voltage Battery temperature System Current Battery Level	system voltage cell voltage Battery temperature System Current Battery Level
cooling-down method	forced air cooling	forced air cooling
designed life	10 years or more	10 years or more
cycle life	≥6000@25℃	≥6000@25℃
communication mode	RS485/CAN	RS485/CAN
working temperature	0-40℃	0-40℃
storage temperature	-20-70℃	-20-70℃
humidity	15-80%	15-80%
size （mm）	885*434*238.2	885*434*238.2
weight （Kg）	110	110

Compatible with brands such as Deye, Atess, Megarevo, Sinexcel, Solis, and Growatt.

ZCH Series (liquid-cooled)

High-voltage lithium battery modulerate(800V/1200V)0.5C

The 1200V liquid-cooled rack-mounted lithium battery module achieves a powerful integration of "ultra-high voltage" and "precision liquid cooling," successfully overcoming traditional limitations in efficiency, energy density, and service life.

Product features

- Design service life exceeding 10 years, with a 5-year warranty period.
- Modular design, high energy density, and easy installation
- 90% Discharge Depth (DOD)
- Compatible with multi-brand inverters
- ≥6000 cycles
- Safe, efficient, and Use quickly

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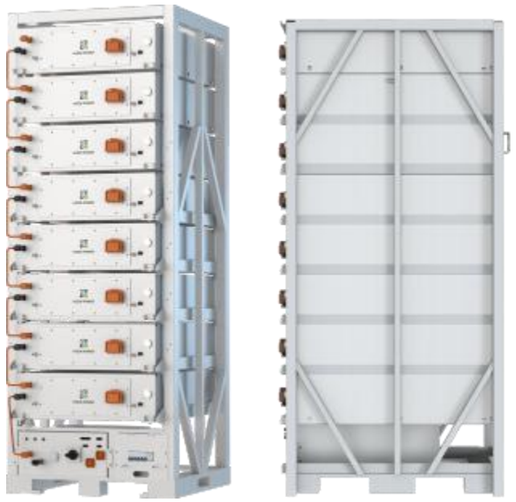

Battery Cluster

High Voltage Box

Battery Module

Parameter

Model	LFP153280	LFP166314
Nominal Energy (Wh)	43008	52249.6
Nominal Voltage (V)	153.6	166.4
Effective Energy (Wh)	38707.2	47024.64
Charge/Discharge Voltage (V)	136.8~170.4	136.8~170.4
Charge/Discharge Current (A)	140	157
power dissipation (W)	≤10	≤10
monitor	system voltage cell voltage Battery temperature System Current Battery Level	system voltage cell voltage Battery temperature System Current Battery Level
cooling-down method	liqukd cooling	liqukd cooling
designed life	10 years or more	10 years or more
cycle life	≥6000@25℃	≥6000@25℃
communication mode	RS485/CAN	RS485/CAN
working temperature	0-40℃	0-40℃
storage temperature	-20-70℃	-20-70℃
humidity	15-80%	15-80%
size (mm)	810*1070*250	810*1190*250
weight (Kg)	320	340

Compatible with brands such as Deye, Atess, Megarevo, Sinexcel, Solis, and Growatt.

ZCI Series (air-cooled)

Industrial and commercial energy storage systems

The outdoor integrated cabinet delivers a secure, efficient, convenient, and cost-effective integrated energy solution through its high-voltage architecture, integrated design, intelligent management system, and multi-layered security features.

Product features

- Design service life exceeding 10 years, with a 5-year warranty period.
- Modular design, high energy density, and convenient installation.
- Customization is applicable to grid-connected systems.
- Supports multi-country grid connectivity Certification Requirements
- ≥6000 cycles
- Safe, efficient, and fast to use

ZHONGCHI POWER

Parameter

model	ZC241100A O
DC Battery Parameters	
Battery rated energy (KWh)	241
Battery rated voltage (V)	768
Battery voltage range (V)	696~852
Battery Type	LFP
Battery Energy (Ah)	314
Battery Life Cycle	6,000 cycles (0.5C, 5%~95%DOD, 80%SOH)
Standard battery charge/discharge rate (C)	0.5
The battery pack is connected in series and parallel.	1P240S
Module Cooling Method	forced air cooling
Exchange Parameter	
Rated AC power (KW)	100
Maximum power (KW)	110
maximum current (A)	160
Rated AC voltage (V)	400
AC voltage range	±15%
Rated AC frequency (Hz)	50/60
Wiring Method	3P+N+PE
Current distortion rate THDI	<3% (rated power)
power factor	≥0.99/-1~1
Total Voltage Harmonic Distortion (THDU)	<3% (linear load)
PCS cooling means	forced air cooling
peak efficiency	98.5%
system parameter	
Energy cycle efficiency	≥ 90 %
Protection Level	IP54
Corrosion resistance rating	C3 is the default option; C4/C5 are optional.
extinguishing and protection	Aerosol/Perfluorohexone (optional)
partition method	Non-isolated type (with optional transformer)
relative humidity	0–95% (non-condensing)
ambient temperature	-30°C to 55°C (rate reduction above 45°C)
height	<3000 m (The reduction applies to distances above 2000 meters)
BMS communication	CAN
EMS communication	4G/CAN/RS485
size (mm)	1050 * 1330 * 2400
weight (T)	2.6
Age-related decay rate	<3%
Quality Assurance	5 years

An integrated cabinet combining battery, EMS, BMS, and PCS, supporting grid-connected systems.

ZCI Series (air-cooled)

Industrial and commercial energy storage systems

A "plug-and-play" energy storage solution integrates the battery system, Battery Management System (BMS), Energy Management System (EMS), thermal management system, fire protection system, and DC/AC electrical equipment into a single unit.

Product features

- Design service life exceeding 10 years, with a 5-year warranty period.
- Modular design, high energy density, and convenient installation.
- Customization is applicable to grid-connected systems.
- Supports multi-country grid connectivity Certification Requirements
- ≥6000 cycles
- Safe, efficient, and fast to use

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Parameter

model	ZC10050HY (Hybrid Inverter) / HZ11250HY (Hybrid Inverter)
DC Battery Parameters	
Battery rated energy (KWH)	100/112
Battery rated voltage (V)	358.4
Battery voltage range (V)	324.8 - 3 97.6
Battery Type	LFP
Battery Energy (Ah)	280/314Ah
Battery Life Cycle	6,000 cycles (0.5C,5%–95% DOD, 80% SOH)
Standard battery charge/discharge rate (C)	0.5
The battery pack is connected in series and parallel.	1P112S
Module Cooling Method	forced air cooling
Exchange Parameter	
Rated AC power (KW)	50
Maximum power (KW)	55
maximum current （A）	200
Rated AC voltage (V)	400
AC voltage range	±15%
Rated AC frequency (Hz)	50/60
Wiring Method	3P+N+PE
Current distortion factor THDI	<3% (rated power)
power factor	≥0.99/-1~1
Total Voltage Harmonic Distortion (THDU)	<3% (linear load)
PCS cooling means	forced air cooling
peak efficiency	97.80%
PV parameter	
Recommended maximum photovoltaic array capacity (KW)	100
Maximum input voltage (V)	1000
rated voltage （V）	600
Maximum power point tracking voltage range (V)	150~850
system parameter	
Energy cycle efficiency	≥ 90 %
Protection Level	IP54
Corrosion resistance rating	C3 is the default option; C4/C5 are optional.
extinguishing and protection	Aerosol/Perfluorohexone (optional)
partition method	Non-isolated type (with optional transformer)
relative humidity	0–95% (non-condensing)
ambient temperature	-30°C to 55°C (rate reduction above 45°C)
height	<3000 m (The reduced rate applies to distances above 2000 meters)
BMS communication	CAN
EMS communication	4G/CAN/RS485
size （mm）	540 * 1200 * 2300
weight （T）	2.6
Age-related decay rate	<3%
Quality Assurance	5 years

An integrated cabinet combining battery, EMS, BMS, and PCS, supporting grid-connected systems.

ZCI Series (air-cooled)

Industrial and commercial energy storage systems

A "plug-and-play" energy storage solution integrates the battery system, Battery Management System (BMS), Energy Management System (EMS), thermal management system, fire protection system, and DC/AC electrical equipment into a single unit.

Product features

- Design service life exceeding 10 years, with a 5-year warranty period.
- Modular design, high energy density, and convenient installation.
- Customization is applicable to grid-connected systems.
- Supports multi-country grid connectivity Certification Requirements
- ≥6000 cycles
- Safe, efficient, and fast to use

ZHONGCHI POWER

Parameter

model	ZCI241100AHY (Hybrid Inverter)
DC Battery Parameters	
Battery rated energy (kWh)	241
Battery rated voltage (V)	768
Battery voltage range (V)	696 ~ 852
Battery type	LFP
Battery Energy (Ah)	314
Battery Life Cycle	6,000 cycles (0.5C,5%–95% DOD, 80% SOH)
Standard battery charge/discharge rate (C)	0.5
The battery pack is connected in series and parallel.	1P240S
Module Cooling Method	forced air cooling
Exchange Parameter	
Rated AC power (KW)	100
Maximum power (KW)	110
maximum current （A）	160
Rated AC voltage (V)	400
AC voltage range	±15%
Rated AC frequency (Hz)	50/60
Wiring Method	3P+N+PE
Current distortion rate THDI	<3% (rated power)
power factor	≥0.99/-1~1
Total Voltage Harmonic Distortion (THDU)	<3% (linear load)
PCS cooling means	forced air cooling
peak efficiency	98.5%
system parameter	
Energy cycle efficiency	≥ 90 %
Protection Level	IP54
Corrosion resistance rating	C3 is the default option; C4/C5 are optional.
extinguishing and protection	Aerosol/Perfluorohexone (optional)
partition method	Non-isolated type (with optional transformer)
relative humidity	0–95% (non-condensing)
ambient temperature	-30°C to 55°C (rate reduction above 45°C)
height	<3000 m (The reduced rate applies to distances above 2000 meters)
BMS communication	CAN
EMS communication	4G/CAN/RS485
size （mm）	1030 * 1350 * 2400
weight （T）	2.6
Age-related decay rate	<3%
Quality Assurance	5 years

An integrated cabinet combining battery, EMS, BMS, and PCS, supporting grid-connected systems.

ZCI Series (liquid-cooled)

Industrial and commercial energy storage systems

A "plug-and-play" energy storage solution integrates the battery system, BMS, EMS, liquid-cooled thermal management system, fire protection system, and DC/AC electrical equipment into a single unit.

Product features

- Design service life exceeding 10 years, with a 5-year warranty period.
- Modular design, high energy density, and convenient installation.
- Customization is applicable to grid-connected systems.
- Supports multi-country grid connectivity Certification Requirements
- ≥6000 cycles
- Safe, efficient, and fast to use

ZHONGCHI POWER

Parameter

model	ZCI261125 LO
DC Battery Parameters	
Battery rated energy (kWh)	261
Battery rated voltage (V)	832
Battery voltage range (V)	752~ 923
Battery Type	LFP
Battery Energy (Ah)	314
Battery Life Cycle	6,000 cycles (0.5C,5%~95% DOD, 80% SOH)
Standard battery charge/discharge rate (C)	0.5
The battery pack is connected in series and parallel.	1P260S
Module Cooling Method	liqukd cooling
Exchange Parameter	
Rated AC power (KW)	125
Maximum power (KW)	138
maximum current （A）	200
Rated AC voltage (V)	400
AC voltage range	±15%
Rated AC frequency (Hz)	50/60
Wiring Method	3P+N+PE
Current distortion rate THDI	<3% (rated power)
power factor	≥0.99/-1~1
Total Voltage Harmonic Distortion (THDU)	<3% (linear load)
PCS cooling means	forced air cooling
peak efficiency	98.5%
system parameter	
Energy cycle efficiency	≥ 90 %
Protection Level	IP54
Corrosion resistance rating	C3 is the default option; C4/C5 are optional.
extinguishing and protection	Aerosol/Perfluorohexone (optional)
partition method	Non-isolated type (with optional transformer)
relative humidity	0–95% (non-condensing)
ambient temperature	-30°C to 55°C (rate reduction above 45°C)
height	<3000 m (The reduced rate applies to distances above 2000 meters)
BMS communication	CAN
EMS communication	4G/CAN/RS485
size （mm）	1330 * 1350 * 2300
weight （Kg）	3440
Age-related decay rate	<3%
Quality Assurance	5 years

An integrated cabinet combining battery, EMS, BMS, and PCS, supporting grid-connected systems.

ZHONGCHI POWER

Global Project

C&I 10KW / 20KWh Rhe energy storage system is located in the Gambia.
is located in Nigeria.

C&L 100KW / 300KWh The energy storage system is located in Nigeria.

C&I 20KW / 45KEh The energy storage system

The C&I 6KW/30KWh energy storage system is located in Xuzhou, China.

The 500KWh energy storage system is located in China's Anhui Province.

500KW/1.66MWh 储能系统位于德国

500KW/1.8MWh 储能系统位于阿富汗

C&I 92KW / 200KWh 储能系统位于中国苏州

The 6.88 MW / 13.76 MWh energy storage system is located in Nanjing, China

500KW / 1MWh 储能系统位于中国苏州

1.5MWh 储能系统位于中国海南

The 500 kW/1601.6 MWh project is located in West Africa.

The 2MWh energy storage system is located in Guilin, China.

ZHONGCHI POWER

Global Project


1.5MW / 3MWh 离网能源系统位于中国西藏偏远地区


2MW / 5MWh 储能系统位于肯尼亚


2MW / 4MWh 离网能源系统位于乍得偏远沙漠地区


15MW / 30MWh 削峰填谷储能系统位于中国青海


3MW / 6MWh 储能系统位于南非


500KW / 1.05MWh 电厂配套储能系统位于菲律宾


250KW / 250KWh 储能系统位于德国


500KW / 1MWh 储能系统位于爱沙尼亚


2MW / 4MWh 工商业储能系统位于印度尼西亚


5MW/10MWh 储能系统位于加拿大


300KW/0.86MWh 储能系统位于德国


500KW/1.5MWh 储能系统位于西非