

JIA JIA Solar New Energy Co.,Ltd.

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**EMPOWERING A SUSTAINABLE AND
CARBON-NEUTRAL FUTURE FOR
OUR PLANET AND GENERATIONS
TO COME**

RACK-TYPE LITHIUM BATTERY PACK

The HZR Series represents advanced low-voltage energy storage technology engineered for flexible capacity expansion. Designed for seamless integration in residential and commercial applications, these modular batteries deliver reliable power in both 48V and 51.2V configurations.



LOW VOLTAGE 48V

Model	HZR-100-15S	HZR-200-15S	HZR-280-15S	HZR-314-15S
Nominal Energy (WH)	4800	9600	13440	15072
Nominal Voltage (V)	48	48	48	48
Capacity (AH)	100	200	280	314
Usable 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
Recommend Charge/Discharge Current (A)	50	100	140	157
Max. Charge/Discharge Current (A)	100 (3S)	200 (3S)	200 (3S)	200 (3S)
Communication	RS485/CAN/Bluetooth (Optional)	RS485/CAN/Bluetooth (Optional)	RS485/CAN/Bluetooth (Optional)	RS485/CAN/Bluetooth (Optional)
Operation 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%
Dimension (mm)	482*463*178	482*809*178	437*875*239	437*875*239
Weight (Kg)	46	90	96	110
Certification	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS

Compatible with Deye, Atess, Megarevo, Sinexcel, Solis, Growatt and etc.

LOW VOLTAGE 51.2V

Model	HZR-100-16S	HZR-200-16S	HZR-280-16S	HZR-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
Usable 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
Recommend Charge/Discharge Current (A)	50	100	140	157
Max. Charge/Discharge Current (A)	100 (3S)	200 (3S)	200 (3S)	200 (3S)
Communication	RS485/CAN/Bluetooth (Optional)	RS485/CAN/Bluetooth (Optional)	RS485/CAN/Bluetooth (Optional)	RS485/CAN/Bluetooth (Optional)
Operation 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%
Dimension (mm)	482*463*178	482*809*178	437*875*239	437*875*239
Weight (Kg)	48.2	95	108	110
Certification	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS

Compatible with Deye, Atess, Megarevo, Sinexcel, Solis, Growatt and etc.

WALL-MOUNTED LITHIUM BATTERY PACK

The HZW Series represents the forefront of low-voltage energy storage technology. Engineered for flexible capacity expansion, these modular batteries are designed for seamless integration into both residential and commercial applications, delivering reliable power where you need.



LOW VOLTAGE 48V

Model	HZW-100-15S	HZW-200-15S	HZW-280-15S	HZW-314-15S
Nominal Energy(WH)	4800	9600	13440	15072
Nominal Voltage(V)	48	48	48	48
Capacity(AH)	100	200	280	314
Usable 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
Recommend Charge/Discharge Current(A)	50	100	140	157
Max. Charge/Discharge Current(A)	100(3S)	200(3S)	200(3S)	200(3S)
Communication	RS485/CAN/Bluetooth(Optional)	RS485/CAN/Bluetooth (Optional)	RS485/CAN/Bluetooth (Optional)	RS485/CAN/Bluetooth (Optional)
Operation 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+	10years+
Electrical Design Redundancy	>20%	>20%	>20%	>20%
Dimension(mm)	440*453*183	440*804*196	631*473*266	631*473*266
Weight(Kg)	49.5	99	109	109
Certification	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS

Compatible with Deye, Atess, Megarevo, Sinexcel, Solis, Growatt and etc.

LOW VOLTAGE 51.2V

Model	HZW-100-16S	HZW-200-16S	HZW-280-16S	HZW-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
Usable 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
Recommend Charge/Discharge Current(A)	50	100	140	157
Max. Charge/Discharge Current(A)	100(3S)	200(3S)	200(3S)	200(3S)
Communication	RS485/CAN/Bluetooth (Optional)	RS485/CAN/Bluetooth(Optional)	RS485/CAN/Bluetooth(Optional)	RS485/CAN/Bluetooth (Optional)
Operation 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%
Dimension(mm)	440*453*206	440*804*206	631*473*266	631*473*266
Weight(Kg)	52	104	115	115
Certification	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS

Compatible with Deye, Atess, Megarevo, Sinexcel, Solis, Growatt and etc.

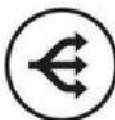
MOBILE LITHIUM BATTERY PACK (LOW VOLTAGE 51.2V)

It perfectly combines robust energy storage with flexible mobility,giving you a "go-anywhere"power station that's always ready to roll.



PRODUCT FEATURE

10 Over 10 years design life,5 years warranty

 Modular design,high energy density,easy installation

 90%Depth of Discharge(DoD)

 Compatible with multi-brand energy storage inverters

 ≥6000 cycle times

 Safe,efficient and fast use



LOW VOLTAGE 51.2V

Model	HZM-280-16S	HZM-314-16S
Nominal Energy (WH)	14336	16076.8
Nominal Voltage (V)	51.2	51.2
Capacity (AH)	280	314
Usable Energy (WH)	12902.4	14469.12
Charge/Discharge Voltage (V)	45.6~56.8	45.6~56.8
Recommend Charge/Discharge Current (A)	140	157
Max. Charge/Discharge Current (A)	200 (3S)	200 (3S)
Communication	RS485/CAN/Bluetooth (Optional)	RS485/CAN/Bluetooth (Optional)
Operation 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%
Dimension (mm)	761*260*503/493*260*794	761*260*503/493*260*794
Weight (Kg)	113	113
Certification	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS

Compatible with Deye, Ateess, Megarevo, Sinexcel, Solis, Growatt and etc.

STACKED LITHIUM BATTERY PACK

Each unit can function as a stand alone power source,and be easily stacked or connected in parallel to multiply total capacity and power output.



PRODUCT FEATURE

10 Over 10 years design life,5 years warranty

 Modular design,high energy density,easy installation

 90%Depth of Discharge(DoD)

 Compatible with multi-brand energy storage inverters

 ≥4000 cycle times

 Safe,efficient and fast use



LOW VOLTAGE 51.2V

Model	HZS-100-16S				
Nominal Energy (WH)	10240	15360	20480	25600	30720
Nominal Voltage (V)	51.2				
Capacity (AH)	100				
Usable Energy (WH)	9216	13824	18432	23040	27648
Charge/Discharge Voltage (V)	45.6~56.8				
Recommend Charge/Discharge Current (A)	100	150	200	250	300
Max. Charge/Discharge Current (A)	200 (3S)	300 (3S)	400 (3S)	500 (3S)	600 (3S)
Communication	RS485/CAN/Bluetooth (Optional)				
Operation Temperature	0-40℃				
Storage Temperature	-20-70℃				
Humidity	15-80%				
Cycle Life	≥4000@25℃				
Design Life	10 years+				
Electrical Design Redundancy	>20%				
Dimension (mm)	525*510*415	525*510*615	525*510*815	525*510*1015	525*510*1215
Weight (Kg)	113.4	170.1	226.8	283.5	340.2
Certification	CE/IEC/UN38.3/MSDS				

Compatible with Deye,ATBSS,Megarevo,Sinexcel,Solis,Growatt and etc.

AIR COOLING

HIGH VOLTAGE LITHIUM BATTERY PACK (400V/0.5C)

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



BATTERY CLUSTER



HIGH-VOLTAGE BOX



BATTERY MODULE

PARAMETER

Model	LFP48100	LFP51100	LFP25200
Nominal Energy (WH)	4800	5120	5120
Nominal Voltage (V)	48	51.2	25.6
Usable Energy (WH)	4320	4608	4608
Charge/Discharge Voltage (V)	42.75~53.25	45.6~56.8	22.8~28.4
Charge/Discharge Current (A)	50	50	100
Power Consumption (W)	≤10	≤10	≤10
Monitoring	System Voltage Cell Voltage Cell Temperature System Current SOC	System Voltage Cell Voltage Cell Temperature System Current SOC	System Voltage Cell Voltage Cell Temperature System Current SOC
Cooling Method	Air Cooling	Air Cooling	Air Cooling
Design Life	10 years+	10 years+	10 years+
Cycle Life	≥4000@25℃	≥4000@25℃	≥4000@25℃
Communication	RS485/CAN	RS485/CAN	RS485/CAN
Operation Temperature	0~40℃	0~40℃	0~40℃
Storage Temperature	-20~70℃	-20~70℃	-20~70℃
Humidity	15~80%	15~80%	15~80%
Dimension (mm)	480*430*178	480*430*178	480*430*178
Weight (Kg)	46.3	48.8	48.8

Compatible with Deye, Ateess, Megarevo, Sinexcel, Solis, Growatt and etc.

PRODUCT FEATURE

10 Over 10 years design life, 5 years warranty

Modular design, high energy density, easy installation

90% Depth of Discharge (DoD)

Compatible with multi-brand energy storage inverters

≥4000 cycle times

Safe, efficient and fast use

AIR COOLING

HIGH VOLTAGE LITHIUM BATTERY PACK(800V/1C)

To provide a highly efficient,powerful,and future-ready power solution for critical infrastructure,the 800V high-voltage rack-mounted lithium battery energy storage system has arrived.



PRODUCT FEATURE

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Over 10 years design life,5 years warranty
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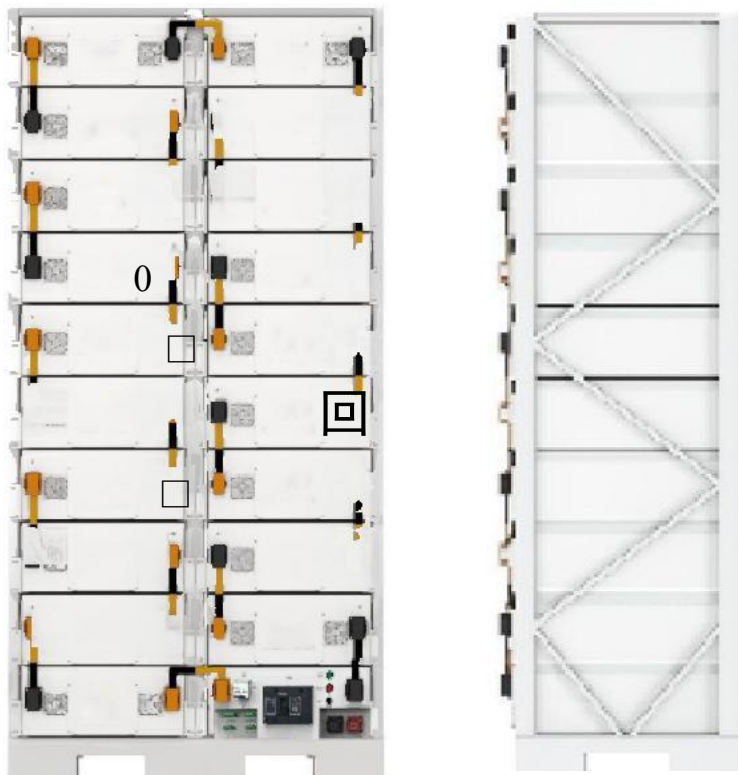
Modular design,high energy density,easy installation
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90%Depth of Discharge(DoD)
- 

Compatible with multi-brand energy storage inverters
- 

≥4000 cycle times
- 

Safe,efficient and fast use



BATTERY CLUSTER



HIGH-VOLTAGE BOX



BATTERY MODULE

PARAMTER

Model	LFP76120	
Nominal Energy (WH)	9216	
Nominal Voltage(V)	76. 8	
Usable Energy (WH)	8294. 4	
Charge/Discharge Voltage (V)	68. 4~85. 2	
Charge/Discharge Current (A)	120	
Power Consumption(W)	≤10	
	System Voltage	Cell Voltage
Monitoring	Cell Temperature	System Current
	System Current	SOC
Cooling Method	Air Cooling	
Design Life	10 years+	
Cycle Life	≥4000@25℃	
Communication	RS485/CAN	
Operation Temperature	0~40℃	
Storage Temperature	-20~70℃	
Humidity	15~80%	
Dimension (mm)	468*642*202	
Weight (Kg)	86	
Compatible with Deye, Ateess, Megarevo, Sinexcel, Solis, Growatt and etc.		

AIR COOLING

HIGH VOLTAGE LITHIUM BATTERY PACK(800V/1200V)0.5C

The 1200V high-voltage rack-mounted lithium battery energy storage system ushers in the "Ultra-High Voltage Era"for C&I storage.This is not merely an equipment upgrade—it is an architectural transformation of the energy system itself.



PRODUCT FEATURE

10 Over 10 years design life,5 years warranty

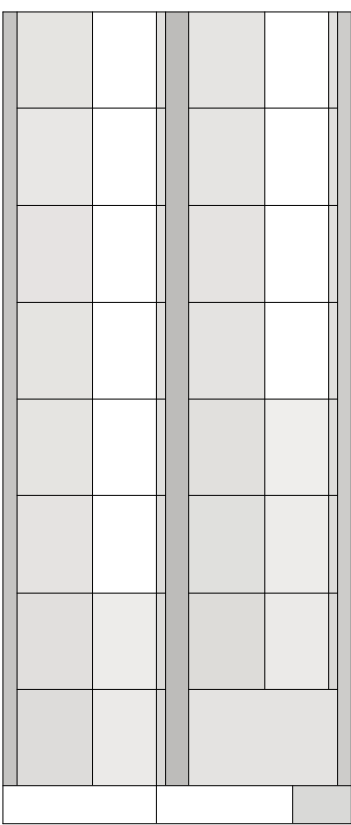
↻ Modular design,high energy density,easy installation

🔋 90%Depth of Discharge(DoD)

⚙️ Compatible with multi-brand energy storage inverters

🔄 ≥6000 cycle times

🛡️ Safe,efficient and fast use



BATTERY CLUSTER



HIGH-VOLTAGE BOX



BATTERY MODULE

PARAMTER

Model	LFP51280	LFP51314
Nominal Energy(Wh)	14336	16076.8
Nominal Voltage(V)	51.2	51.2
Usable 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 Consumption (W)	≤10	≤10
Monitoring	System Voltage Cell Voltage Cell Temperature System Current SOC	System Voltage Cell Voltage Cell Temperature System Current SOC
Cooling Method	Air Cooling	Air Cooling
Design Life	10 years+	10 years+
Cycle Life	≥6000@25℃	≥6000@25℃
Communication	RS485/CAN	RS485/CAN
Operation Temperature	0~40℃	0~40℃
Storage Temperature	-20~70℃	-20~70℃
Humidity	15~80%	15~80%
Dimension(mm)	885*434*238.2	585*434*238.2
Weight(Kg)	108	108
Compatible with Deye,Atess,Megarevo,Sinexcel, Solis,Growatt and etc.		

LIQUID COOLING

HIGH VOLTAGE LITHIUM BATTERY PACK(800V/1200V)0.5C

The 1200V liquid-cooled rack-mounted lithium battery module represents a powerful fusion of "ultra-high voltage"and "precision liquid cooling",successfully transcending the traditional constraints of efficiency,energy density,and service life.



PRODUCT FEATURE

10 Over 10 years design life,5 years warranty

€ Modular design,high energy density,easy installation

🔋 90%Depth of Discharge(DoD)

⚙️ Compatible with multi-brand energy storage inverters

🔄 ≥6000 cycle times

🛡️ Safe,efficient and fast use



BATTERY CLUSTER



HIGH-VOLTAGE BOX



BATTERY MODULE

PARAMTER

Model	LFP153280	LFP163314
Nominal Energy (WH)	43008	52250
Nominal Voltage (V)	153.6	166.4
Usable Energy (WH)	38707.2	47025
Charge/Discharge Voltage (V)	136.8~170.4	136.8~170.4
Charge/Discharge Current (A)	140	157
Power Consumption (W)	≤10	≤10
Monitoring	System Voltage	System Voltage
	Cell Voltage	Cell Voltage
	Cell Temperature	Cell Temperature
	System Current	System Current
	SOC	SOC
Cooling Method	Liquid Cooling	Liquid Cooling
Design Life	10 years+	10 years+
Cycle Life	≥6000@25℃	≥6000@25℃
Communication	RS485/CAN	RS485/CAN
Operation Temperature	0-40℃	0-40℃
Storage Temperature	-20-70℃	-20-70℃
Humidity	15-80%	15-80%
Dimension (mm)	810*1070*250	810*1190*250
Weight (Kg)	320	340
Compatible with Deye, Atess, Megarevo, Sinexcel, Solis, Growatt and etc.		

AIR COOLING

COMMERCIAL AND INDUSTRIAL ESS

It seamlessly integrates a high-performance lithium battery system,smart climate control,and all-around safety design within a single,sturdy outdoor cabinet, delivering an integrated,reliable energy asset that is both highly safe and flexible.



PRODUCT FEATURE

- Over 10 years design life,5 years warranty
- Modular design,high energy density,easy installation
- Customized for on-grid systems
- Support multi-country grid connection authentication requirements
- ≥6000 cycle times
- Safe,efficient and fast use

PARAMETER	
Model	HZ1241100A0(On Grid)
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)
Battery Standard Charge/Discharge Rate(C)	0.5
Battery Pack Series And Parallel	1P240S
Module Cooling Method	Air Cooling
AC Parameters	
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
Voltage Total Harmonic Distortion THDU	<3%(Linear Load)
PCS Cooling Method	Air Cooling
Maximum Efficiency	98.5%
System Parameters	
Energy Cycle Efficiency	≥90%
Protection Level	IP54
Corrosion Resistance Level	C3 is the default,C4/C5 are optional
Fire Fighting	Aerosol/Perfluorohexanone(Optional)
Isolation Method	Not Isolated (Transformer Optional)
Relative Humidity	0~95%(Non-condensing)
Ambient Temperature	-30℃~55℃ (Derating Above 45℃)
Altitude	<3000m(Derating Applies Over 2000m)
BMS Communication	CAN
EMS Communications	4G/CAN/RS485
Dimensions(mm)	1050*1330*2400
Weight(T)	2.6
Annual Decay Rate	<3%
Warranty	5 years
Battery, EMS, BMS, PCSAll In One Cabinet Support on-grid system.	

AIR COOLING

COMMERCIALAND INDUSTRIAL ESS

With its innovative modular design,it is more than a stand alone storage unit; it is the essential "energy building block"for mid-to large-scale systems.



PRODUCT FEATURE

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Over 10 years design life,5 years warranty
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Modular design,high energy density,easy installation
- 

Customized for on/off-grid Systems
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Support multi-country grid connection authentication requirements
- 

≥6000 cycle times
- 

Safe,efficient and fast use



PARAMETER	
Model	HZ10050HY (Hybrid) /HZ11250HY (Hybrid)
DC Battery Parameters	
Battery Rated Energy(KWh)	100/112
Battery Rated Voltage (V)	358.4
Battery Voltage Range (V)	324.8~397.6
Battery Type	LFP
Battery Energy(Ah)	280/314Ah
Battery Life Cycle	6,000 Cycles(0.5C, 5%~95%DOD, 80%SOH)
Battery Standard Charge/Discharge Rate(C)	0.5
Battery Pack Series And Parallel	1P112S
Module Cooling Method	Air Cooling
AC Parameters	
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 Aate THDI	<3%(Rated Power)
Power Factor	≥0.99/~1
Voltage Total Harmonic Distortion THDU	<3%(Linear Load)
PCS Cooling Method	Air Cooling
Maximum Efficiency	97.80%
PV Parmater	
Recommended Max. PVArray(KW)	100
Max. Input Voltage (V)	1000
Rated Voltage(V)	600
MPPT Voltage Range(V)	150~850
System Parameters	
Energy Cycle Efficiency	≥90%
Protection Level	IP54
Corrosion Resistance Level	C3 is the default,C4/C5 are optional
Fire Fighting	Aerosol/Perfluorohexanone(Optional)
Isolation Method	Not Isolated(Transformer Optional)
Relative Humidity	0~95%(Non-condensing)
Ambient Temperature	-30℃~55℃ (Derating Above 45℃)
Altitude	<3000m(Derating Applies Over 2000m)
BMS Communication	CAN
EMS Communications	4G/CAN/RS485
Dimensions (mm)	540*1200*2300
Weight (T)	2.6
Annual Decay Rate	<3%
Warranty	5 years
Battery, EMS, BMS, PCS, DCDC, STSall in one cabinet support on/ff-grid system	

AIR COOLING

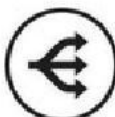
COMMERCIALAND INDUSTRIAL ESS

A "plug-and-play"energy storage solution that integrates the battery system, BMS,EMS,thermal management system,fire protection system,as well as DC and AC side electrical equipment into one unit.



PRODUCT FEATURE

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Over 10 years design life,5 years warranty
- 

Modular design,high energy density,easy installation
- 

Customized for on/off-grid Systems
- 

Support multi-country grid connection authentication requirements
- 

≥6000 cycle times
- 

Safe,efficient and fast use

PARAMETER

Model	HZ1241100AHY (Hybrid)
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)
Battery Standard Charge/Discharge Rate(C)	0.5
Battery Pack Series And Parallel	1P240S
Module Cooling Method	Air Cooling
AC Parameters	
Rated AC Power(KW)	100
Maximum Power(KW)	110
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
Voltage Total Harmonic Distortion THDU	<3%(Linear Load)
PCS Cooling Method	Air Cooling
Maximum Efficiency	98.5%
System Parameters	
Energy Cycle Efficiency	≥90%
Protection Level	IP54
Corrosion Resistance Level	C3 is the default,C4/C5 are optional
Fire Fighting	Aerosol/Perfluorohexanone (Optional)
Isolation Method	Not Isolated(Transformer Optional)
Relative Humidity	0~95%(Non-condensing)
Ambient Temperature	-30℃~55℃ (Derating Above 45℃)
Altitude	<3000m(Derating Applies Over 2000m)
EMS Communication	CAN
EMS Communications	4G/CAN/RS485
Dimensions (mm)	1030*1350*2400
Weight(T)	2.6
Annual Decay Rate	<3%
Warranty	5 years

Battery, EMS, BMS, PCS, DCDC, STSall in one cabinet support on/off-grid system.

LIQUID COOLING

COMMERCIALAND INDUSTRIAL ESS

A "plug-and-play"energy storage solution that integrates the battery system,BMS, EMS,liquid cooling thermal management system,fire protection system,as well as DC and AC side electrical equipment into one unit.



PARAMETER

Model	HZI261125L0(On Grid)
DC Battery Parameters	
Battery Rated Energy(KWh)	241
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)
Battery Standard Charge/Discharge Rate(C)	0.5
Battery Pack Series And Parallel	1P260S
Module Cooling Method	Liquid Cooling
AC Parameters	
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
Voltage Total Harmonic Distortion THDU	<3%(Linear Load)
PCS Cooling Method	Air Cooling
Maximum Efficiency	98.5%
System Parameters	
Energy Cycle Efficiency	≥90%
Protection Level	IP54
Corrosion Resistance Level	C3 is the default,C4/C5 are optional
Fire Fighting	Aerosol/Perfluorohexanone(Optional)
Isolation Method	Not Isolated(Transformer Optional)
Relative Humidity	0~95%(Non-condensing)
Ambient Temperature	-30℃~55℃(Derating Above 45℃)
Altitude	<3000m(Derating Applies Over 2000m)
BMS Communication	CAN
EMS Communications	4G/CAN/RS485
Dimensions(mm)	1330*1350*2300
Weight(Kg)	3440
Annual Decay Rate	<3%
Warranty	5years
Battery, EMS, BMS, PCSA11 In One Cabinet Support on-grid system.	

PRODUCT FEATURE

10 Over 10 years design life,5 years warranty

Modular design,high energy density,easy installation

Customized for on-grid systems

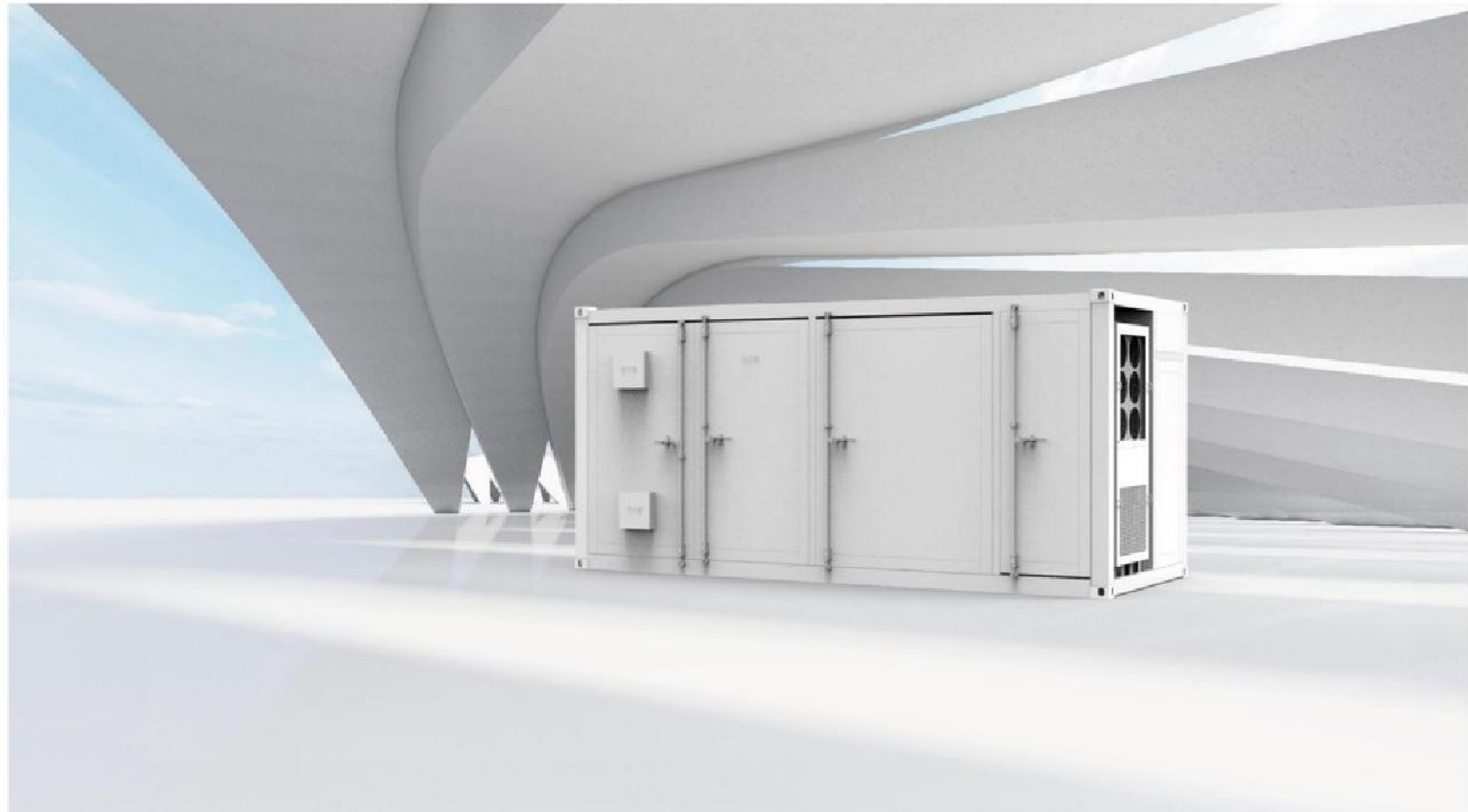
Support multi-country grid connection authentication requirements

≥6000 cycle times

Safe,efficient and fast use

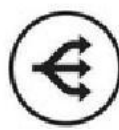
CONTAINER ENERGY STORAGE

The key thermal management technology,which uses liquid coolant for heating and cooling instead of traditional air cooling,offers higher efficiency and more uniform temperature distribution.



PRODUCT FEATURE

- 

Over 10 years design life,5 years warranty
- 

Modular design,high energy density,easy installation
- 

Customized for on/off-grid systems
- 

Support multi-country grid connection authentication requirements
- 

≥6000 cycle times
- 

Safe,efficient and fast use

CONTAINER ENERGY STORAGE SYSTEM

Model		3.85MWh(0.5C)
Rated Capacity		3.2V314Ah cell/153.6V314Ah module
AC Phases		Three-phase four-wire system
Battery Module	Rated Voltage (V)	153.6
	Voltage Range(V)	134.4~170.4
	Communication	CAN/RS485
	Nominal Energy(AH)	314
	Operation Temperature	0~50℃
	Storage Temperature	-20~60℃
	Rated Voltage (V)	1228.8
Battery Cluster	Voltage Accuracy	1113.6~1363.2
	Communication	CAN/RS485
	Nominal Capacity(AH)	314
	Operation Temperature	0~50℃
	Storage Temperature	-20~60℃
	Rated Voltage(V)	400
	Voltage Range Allowed(V)	380±15%
On-Grid Operation Mode	Frequency Range(Hz)	47.5~51.5
	Power Factor	≥0.99(Absolute value)
Noise(Db)		<70
IPGRADE		IP54
Internal Communication		Ethernet
Customized Container		Fire Extinguisher/Lighting System/Liquid Cooling
Dimension(mm)		6058*2438*2896(L*W*H) 20HQ
Weight(T)		~35
Cooling Method		Liquid Cooling
Certification		CE/MSDS/UN38.3/UL/IEC62619

CONTAINER ENERGY STORAGE

It incorporates the battery system,PCS,BMS,EMS,intelligent temperature control,fire protection system,and auxiliary devices such as lighting and monitoring into a single standard container.



PRODUCT FEATURE

- Over 10 years design life,5 years warranty
- Modular design,high energy density,easy installation
- Customized for on/off-grid systems
- Support multi-country grid connection authentication requirements
- ≥6000 cycle times
- Safe,efficient and fast use

CONTAINER ENERGY STORAGE SYSTEM		
Model	5MWh (0.5C)	
Rated Capacity	3.2V314Ah cell/51.2V314Ah module	
AC Phases	Three-phase four-wire system	
Battery Module	Rated Voltage(V)	51.2
	Voltage Range(V)	46.4~56.8
	Communication	CAN/RS485
	Nominal Energy(AH)	314
	Operation Temperature	0~50℃
	Storage Temperature	-20~60℃
	Rated Voltage(V)	768
	Voltage Range(V)	696~852
	Communication	CAN/RS485
	Nominal Capacity(AH)	314
Battery Cluster	Operation Temperature	0~50℃
	Storage Temperature	-20~60℃
	Rated Voltage(V)	400
On-Grid Operation Mode	Voltage Range Allowed(V)	380±15%
	Frequency Range(Hz)	50~60
	Power Factor	≥0.99 (Absolute value)
Noise(Db)	<70	
IP GRADE	IP54	
Internal Communication	Ethernet	
Monitoring System	Fire Extinguisher/Lighting System/Air Conditioner	
Dimension(mm)	12192*2438*2591 (L*W*H) 40GP	
Weight(T)	~50	
Cooling Method	Air Cooling	
Certification	CE/MSDS/UN38.3/UL/IEC62619	

LITHIUM IRON PHOSPHATE BATTERY

Through improved space utilization,extended lifespan,higher energy efficiency, and smart maintenance,it offers users long-term economics and operational convenience.



PRODUCT FEATURE

- 

Over 10 years design life,5 years warranty
- 

Modular design,high energy density,easy installation
- 

Real-time battery data reading
- 

Compatible with multi-brand energy storage inverters
- 

≥4000 cycle times
- 

Safe,efficient and fast use



PARAMETER

Electrical Characteristics	Nominal Voltage(V)	12.8	12.8	12.8	12.8	25.6
	Nominal Capacity(Ah)	100	120	200	300	100
	Energy(Wh)	1280	1536	2560	3840	2560
	Cycle Life	≥4000 cycles @0.5C 80%DOD	≥4000 cycles @0.5C80%DOD	≥4000 cycles @0.5C80%DOD	≥4000 cycles @0.5C80%DOD	≥4000 cycles @0.5C80%DOD
	Months Self Discharge	<3%	<3%	<3%	<3%	<3%
Standard Charge	Charge Voltage(V)	14	14	14	14	28
	Charge Current(A)	50	50	50	75	50
	Max Charge Current(A)	50	50	50	75	50
	Charge Cut-off Voltage(V)	14	14	14	14	28
Standard Discharge	Continuous Current(A)	50	50	50	75	50
	Max Pulse Current(A)	100	100	100	150	100
	Discharge Cut-off Voltage(V)	12	12	12	12	23.5
Environmental	Charge Temperature	0℃~40℃	0℃~40℃	0℃~40℃	0℃~40℃	0℃~40℃
	Discharge Temperature	0℃~40℃	0℃~40℃	0℃~40℃	0℃~40℃	0℃~40℃
	Storage Temperature	-20℃~70℃	-20℃~70℃	-20℃~70℃	-20℃~70℃	-20℃~70℃
	IP Class	IP65	IP65	IP65	IP65	IP65
Parameters	Plastic Case	ABS	ABS	ABS	ABS	ABS
	Approx Dimension(mm)	364*213*227	364*213*227	532*207*215	640*245*220	532*207*215
	Approx Weight(Kg)	12.1±0.5	13.9±0.5	22.4±0.5	34.5±0.5	23.5±0.5
	Terminal	M8	M8	M8	M8	M8

Compatible with Deye, Atess, Megarevo, Sinexcel, KELONG, Growatt and etc.

OUR BATTERY
CELL PARTNERS

TIER1

EVE 亿纬锂能

Ganfeng 章赣锋锂业
Lithium

鹏辉能源
GREAT POWER

瑞浦能源原
三 PT

OUR SOLAR INVERTER &
BESS PCS PARTNERS

TOP
BRAND

SINE XCEL
盛弘股份

GrowatT
power in g t o m o r r o w

Deye

SUNG 尺CW
Clean power for all

ALICO
SOLAR

Deye 德業

solis

阳光电源
SUNG 尺CW

KELONG 科华技术

Seneigy

CHNT
POWER

Voltronic
Power

SCFAR
首航新能源

爱士惟
AiSWEI

MEGAREVO

固德威
GOODWE

MUST

SMA

SIEMENS

TBEA
特变电工

victron energy

houmiles

LUXPOWERTEK

weng
rowatt

上能电气
SINEN G

NELTA台达

M Solar

PYLON
TECH

LU
南京欧陆电气
NANJING OULU ELECTRIC

hinan

Bentterson

invvt

Afore

Techfine

ENJOY
思玖科技

EPEVER
汇能精电

S03OLEC
Power Solutions Expert

RENAC

E 米
MORTHERN ELECTRIC

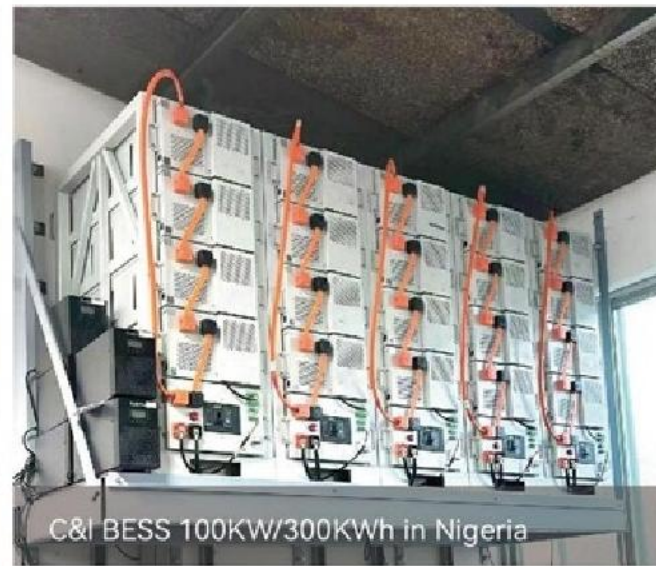
xin d un°

elecod

GLOBAL PROJECTS



C&I BESS 10KW/20KWh in Gambia



C&I BESS 100KW/300KWh in Nigeria



C&I ESS 20KW/45KWh in Nigeria



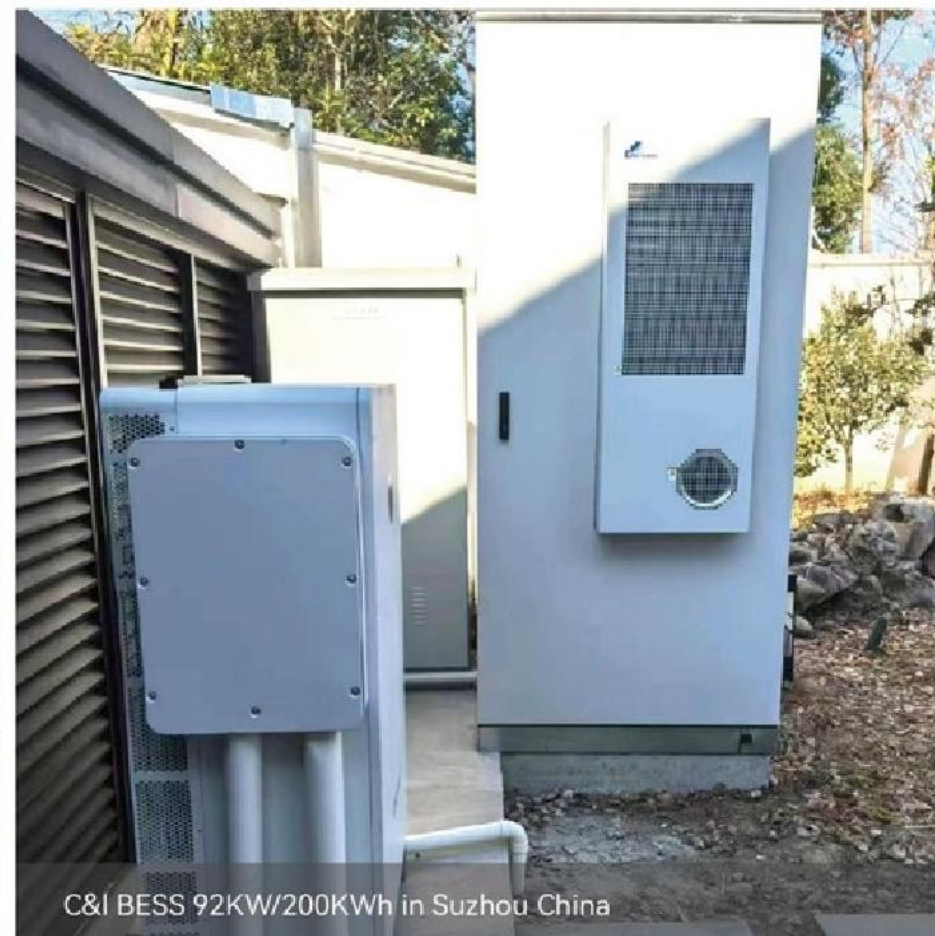
C&I ESS 8KW/30KWh in Xuzhou China



BESS Capacity 500KWh in Anhui China



BESS 500KW/1.8MWh in Afghanistan



C&I BESS 92KW/200KWh in Suzhou China



Solar / BESS 6.88MW/13.76MWh in Nanjing China



Solar&Battery 500KW/1MWh in Suzhou China



BESS Capacity 1.5MWh in Hainan China



Off-grid remote village 500KW/1.6MWh in West Africa



BESS Capacity 2MWh in Thailand

GLOBAL PROJECTS

