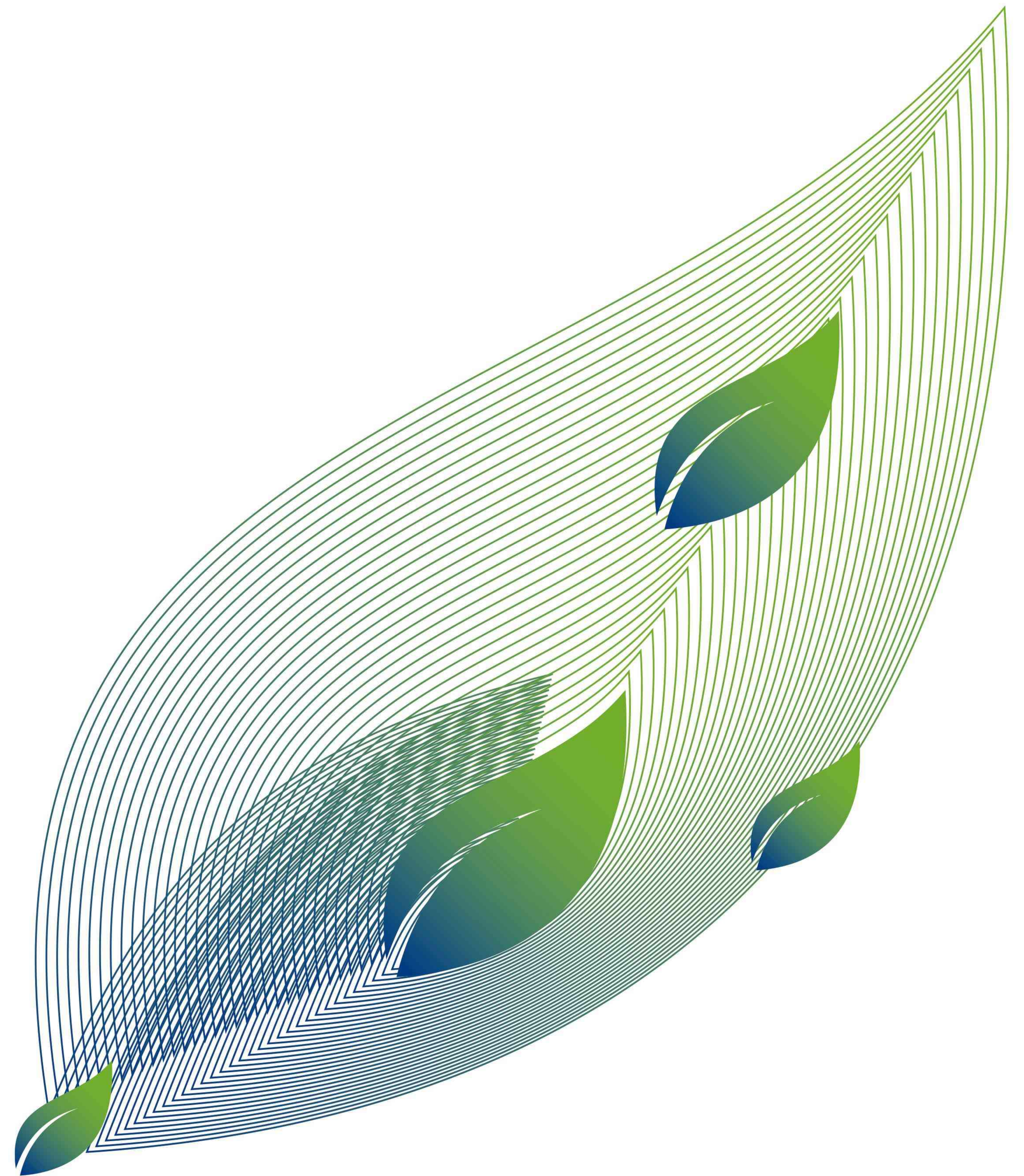




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LiFePO4 BATTERY ENERGY STORAGE SYSTEM

High voltage lithium battery pack (HZH SERIES)
Rack mounted lithium battery pack(HZR SERIES)
Wall mounted lithium battery pack(HZW SERIES)
Stacked lithium battery pack(HZS SERIES)
Industrial and commercial ESS(HZI SERIES)
Containerized ESS(HZC SERIES)

- Over 10 years design life,5 years warranty
- Modular design,high energy density,easy installation
- Various installation types
- Compatible with multi-brand energy storage inverters
- Just A+ Cell,≥6000 cycle times

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



Parameter			
Model	LFP48100	LFP51100	LFP25200
Nominal voltage	48V	51.2V	25.6V
Nominal capacity	4800Wh	5120Wh	5120Wh
Usable capacity	4320Wh	4608Wh	4608Wh
Design life	10+year	10+year	10+year
Dimension	482*430*178 (MM)	482*430*178(MM)	482*430*178(MM)
Weight	46.3KG	48.8KG	48.8KG
Cycle life	≥4000@25°C	≥4000@25°C	≥4000@25°C
Discharge voltage	42V	44.8V	22.4V
Charge voltage	54V	57.6V	28.8V
Charge/Discharge Current	50A (Recommended) 100A (3S)	50A (Recommended) 100A (3S)	100A (Recommended) 200A (3S)
Internal resistance	≤50mΩ	≤50mΩ	≤50mΩ
Power consumption	≤10W	≤10W	≤10W
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
Communication	CAN/RS485	CAN/RS485	CAN/RS485
Operation temperature	0~40°C	0~40°C	0~40°C
Storage temperature	-20~70°C	-20~70°C	-20~70°C
Humidity	15~80%	15~80%	15~80%

Compatible with Deye,ATESS,Megarevo,Sinexcel,KELONG,Growatt and more

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



Parameter	
Model	LFP76120
Nominal voltage	76.8V
Nominal capacity	9216Wh
Usable capacity	8294Wh
Design life	10+year
Dimension	527*677*202 (MM)
Weight	86KG
Cycle life	≥4000@25°C
Discharge voltage	67.2V
Charge voltage	86.4V
Charge/Discharge Current	120A (Recommended) 150A (3S)
Internal resistance	≤50mΩ
Power consumption	≤10W
Monitoring	System voltage Cell voltage Cell temperature System current SOC
Communication	CAN/RS485
Operation temperature	0~40°C
Storage temperature	-20~70°C
Humidity	15~80%

Compatible with Deye,ATESS,Megarevo,Sinexcel,KELONG,Growatt and more

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



Parameter		
Model	LFP51280	LFP51314
Nominal voltage	51.2V	51.2V
Nominal capacity	14336Wh	16076.8Wh
Usable capacity	12902Wh	14469Wh
Design life	10+year	10+year
Dimension	885*434*238.2 (MM)	885*434*238.2 (MM)
Weight	108KG	108KG
Cycle life	≥6000@25°C	≥6000@25°C
Discharge voltage	44.8V	44.8V
Charge voltage	57.6V	57.6V
Charge/Discharge Current	140A (Recommended) 280A (3S)	157A (Recommended) 314A (3S)
Internal resistance	≤50mΩ	≤50mΩ
Power consumption	≤10W	≤10W
Monitoring	System voltage Cell voltage Cell temperature System current SOC	System voltage Cell voltage Cell temperature System current SOC
Communication	CAN/RS485	CAN/RS485
Operation temperature	0~40°C	0~40°C
Storage temperature	-20~70°C	-20~70°C
Humidity	15~80%	15~80%

Compatible with Deye,ATESS,Megarevo,Sinexcel,KELONG,Growatt and more

RACK MOUNTED LIFEPO4 BATTERY PACK(HZR SERIES) LOW VOLTAGE 48V



Parameter

Model	HZR-100-15S	HZR-150-15S	HZR-200-15S
Voltage(V)	48	48	48
Capacity(AH)	100	150	200
Weight(KG)	46	68	90
Dimension(MM)	482*463*178	482*600*178	482*809*178
Nominal Voltage (V)	48	48	48
Nominal Capacity (WH)	4800	7200	9600
Usable Capacity (WH)	4320	6480	8640
Discharge Voltage (V)	42	42	42
Charge Voltage (V)	54	54	54
Recommend Charge/ Discharge Current (A)	50	75	100
Max. Charge/ Discharge Current(A)	100(3S)	150(3S)	200(3S)
Communication	RS485/CAN/ Bluetooth(Optional)	RS485/CAN/ Bluetooth(Optional)	RS485/CAN/ Bluetooth(Optional)
Operation Temperature	0-40℃	0-40℃	0-40℃
Storage Temperature	-20-70℃	-20-70℃	-20-70℃
Humidity	15%-80%	15%-80%	15%-80%
Certification	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS
Design Life	10 years+	10 years+	10 years+
Cycle Life	≥4000@25℃	≥4000@25℃	≥4000@25℃
Electrical Design Redundancy	> 20%	> 20%	> 20%

Compatible with Deye,ATESS,Megarevo,Sinexcel,KELONG,Growatt and more

RACK MOUNTED LIFEPO4 BATTERY PACK(HZR SERIES)

LOW VOLTAGE 51.2V

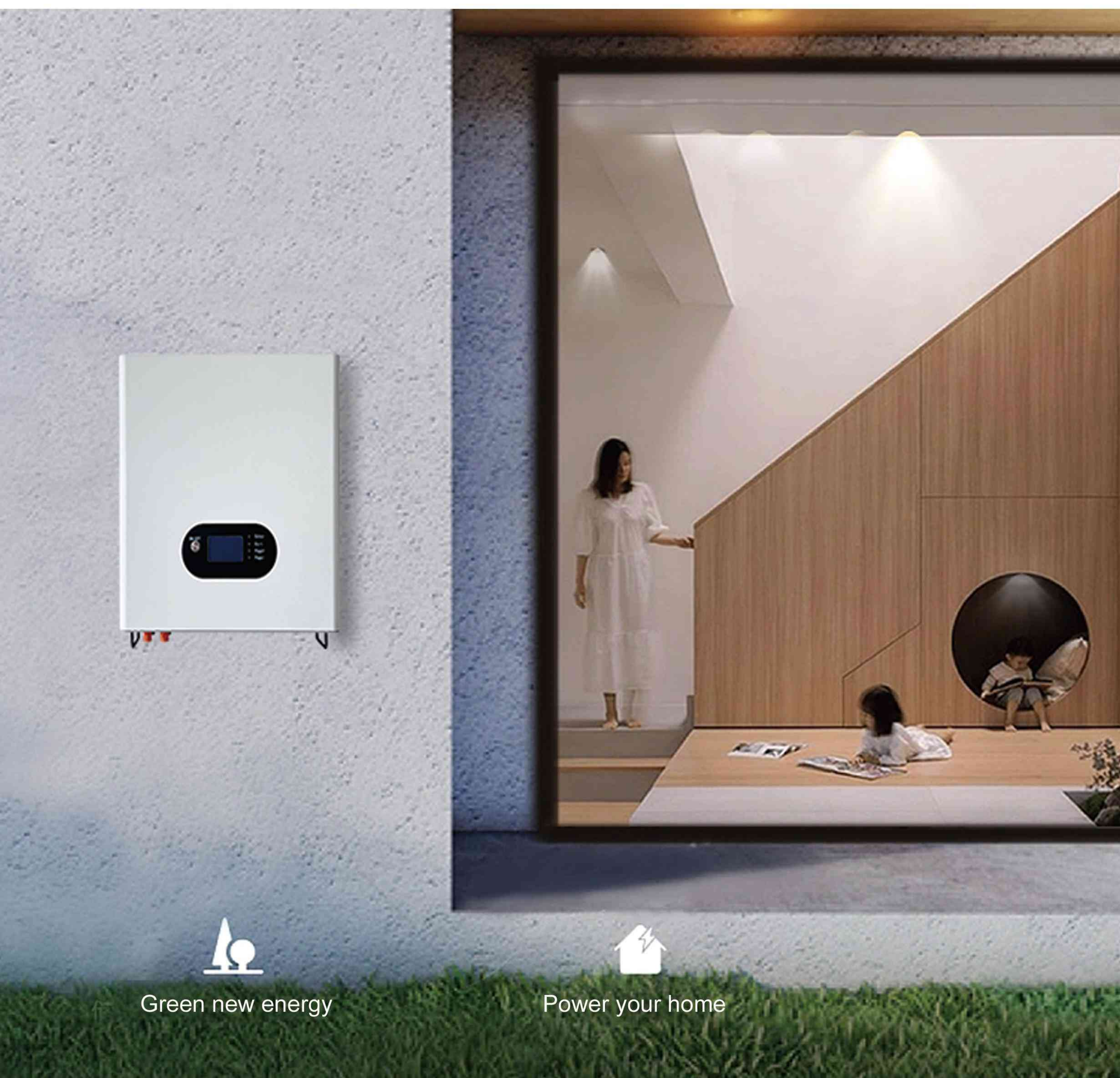


Parameter

Model	HZR-100-16S	HZR-200-16S
Voltage(V)	51.2	51.2
Capacity(AH)	100	200
Weight(KG)	48.2	95
Dimension(MM)	482*463*178	482*809*178
Nominal Voltage (V)	51.2	51.2
Nominal Capacity (WH)	5120	10240
Usable Capacity (WH)	4608	9216
Discharge Voltage (V)	44.8	44.8
Charge Voltage (V)	57.6	57.6
Recommend Charge/ Discharge Current (A)	50	100
Max. Charge/ Discharge Current(A)	100(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%
Certification	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS
Design Life	10 years+	10 years+
Cycle Life	≥4000@25℃	≥4000@25℃
Electrical Design Redundancy	> 20%	> 20%

Compatible with Deye,ATESS,Megarevo,Sinexcel,KELONG,Growatt and more

WALL MOUNTED LIFEPO4 BATTERY PACK(HZW SERIES) LOW VOLTAGE 48V



Parameter		
Model	HZW-100-15S	HZW-200-15S
Voltage(V)	48	48
Capacity(AH)	100	200
Weight(KG)	49.5	99
Dimension(MM)	440*453*183	440*804*196
Nominal Voltage (V)	48	48
Nominal Capacity (WH)	4800	9600
Usable Capacity (WH)	4320	8640
Discharge Voltage (V)	42	42
Charge Voltage (V)	54	54
Recommend Charge/ Discharge Current (A)	50	100
Max. Charge/ Discharge Current(A)	100(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%
Certification	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS
Design Life	10 years+	10 years+
Cycle Life	≥4000@25℃	≥4000@25℃
Electrical Design Redundancy	> 20%	> 20%

Compatible with Deye,ATESS,Megarevo,Sinexcel,KELONG,Growatt and more

WALL MOUNTED LIFEPO4 BATTERY PACK(HZW SERIES)
LOW VOLTAGE 51.2V



Parameter			
Model	HZW-100-16S	HZW-200-16S	HZW-280-16S
Voltage(V)	51.2	51.2	51.2
Capacity(AH)	100	200	280
Weight(KG)	52	104	115
Dimension(MM)	440*453*206	440*804*196	631*473*266
Nominal Voltage (V)	51.2	51.2	51.2
Nominal Capacity (WH)	5120	10240	14336
Usable Capacity (WH)	4608	9216	12902.4
Discharge Voltage (V)	44.8	44.8	44.8
Charge Voltage (V)	57.6	57.6	57.6
Recommend Charge/ Discharge Current (A)	50	100	140
Max. Charge/ Discharge Current(A)	100(3S)	200(3S)	200(3S)
Communication	RS485/CAN/ Bluetooth(Optional)	RS485/CAN/ Bluetooth(Optional)	RS485/CAN/ Bluetooth(Optional)
Operation Temperature	0-40℃	0-40℃	0-40℃
Storage Temperature	-20-70℃	-20-70℃	-20-70℃
Humidity	15%-80%	15%-80%	15%-80%
Certification	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS	CE/ IEC/ UN38.3/ MSDS
Design Life	10 years+	10 years+	10 years+
Cycle Life	≥4000@25℃	≥4000@25℃	≥6000@25℃
Electrical Design Redundancy	> 20%	> 20%	> 20%
Compatible with Deye,ATESS,Megarevo,Sinexcel,KELONG,Growatt and more			

ROLLER LIFEPO4 BATTERY PACK(HZL SERIES)
LOW VOLTAGE 51.2V



Parameter	
Model	HZL-280-16S
Voltage(V)	51.2
Capacity(AH)	280
Weight(KG)	113
Dimension(MM)	761*260*631
Nominal Voltage (V)	51.2
Nominal Capacity (WH)	14336
Usable Capacity (WH)	12902.4
Discharge Voltage (V)	44.8
Charge Voltage (V)	57.6
Recommend Charge/ Discharge Current (A)	140
Max. Charge/ Discharge Current(A)	200(3S)
Communication	RS485/CAN/ 蓝牙(可选配)
Operation Temperature	0-40℃
Storage Temperature	-20-70℃
Humidity	15%-80%
Certification	CE/ IEC/ UN38.3/ MSDS
Design Life	10年以上
Cycle Life	≥4000@25℃
Electrical Design Redundancy	> 20%
Compatible with Deye,ATESS,Megarevo,Sinexcel,KELONG,Growatt and more	



Modular design convenient for installing
App real-time monitoring

Model	HZS-100-16S				
Installation Mode	Stack				
Nominal Voltage(V)	51.2				
Individual Capacity(Wh)	5120				
Module quantity	2	3	4	5	6
Nominal Capacity(KWh)	10.24	15.36	20.48	25.6	30.72
Design Life	10+years				
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
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	CAN/RS485/Bluetooth(Optional)				

INDUSTRIAL AND COMMERCIAL ESS(HZI SERIES)



Model	768V 92KWH	844.8V 202KWH
Total energy	92kWh,25°C@0.5C	202kWh, 25°C@0.5c
Dimension	2300*1300*800mm (H*W*D)	2400*1730*1590mm (H*W*D)
Weight	1.6t	3.2t
Nominal battery voltage	768V	844.8V
Battery working voltage range	672-864V	739~937V
Nominal Frequency	50Hz	50Hz
Max Charging/Discharging power	30kW	100kW
AC max discharge current	45A	150A
Operation altitude	<2000m	<2000m
Cooling method	Air Cooling	Air Cooling
On off grid method	Manual/Auto	Manual/Auto
AC output	3P+PE	3P+PE
Discharge overcurrent protection current	100A(5S)	240A(5S)
Fire extinguishing type	Aerosol automatic fire extinguishing	Aerosol automatic fire extinguishing
IP grade	IP54	IP54
Operation temperature	-20°C-50°C	-20°C-50°C
Module standard	GB/T 36276 、 UN38.3	GB/T 36276 、 UN38.3
Cycle life	≥6000@90%DOD(25±5°C)	≥6000@90%DOD(25±5°C)

Battery,EMS,BMS,PCS all in one design
Support On-grid, Off-grid operation and more working modes

**INDUSTRIAL AND
COMMERCIAL ESS(HZI SERIES)**

Model	768V215KWH (Liquid Cooling)	768V215KWH (Air Cooling)
Total energy	215kWh, 25°C@0.5c	215kWh, 25°C@0.5c
Dimension	2100*1354*1350mm (H*W*D)	2500*1200*1200mm (H*W*D)
Weight	~3t	2800kg
Nominal battery voltage	768V	768V
Battery working voltage range	672~864V	672~864V
Nominal Frequency	50Hz	50/60Hz
Max Charging/Discharging power	100kW	100kW
AC max discharge current	158A	140A
Operation altitude	<2000m	<2000m
Cooling method	Liquid Cooling	Air Cooling
On off grid method	Manual/Auto	Manual/Auto
AC output	3P+PE	3P+PE
Discharge overcurrent protection current	280A(5S)	280A(5S)
Fire extinguishing type	Aerosol automatic fire extinguishing	Aerosol automatic fire extinguishing
IP grade	IP54	IP54
Operation temperature	-20°C-50°C	-20°C-50°C
Module standard	GB/T 36276 、 UN38.3	GB/T 36276 、 UN38.3
Cycle life	≥6000@90%DOD(25±5°C)	≥6000@90%DOD(25±5°C)

Battery,EMS,BMS,PCS all in one design
Support On-grid, Off-grid operation and more working modes

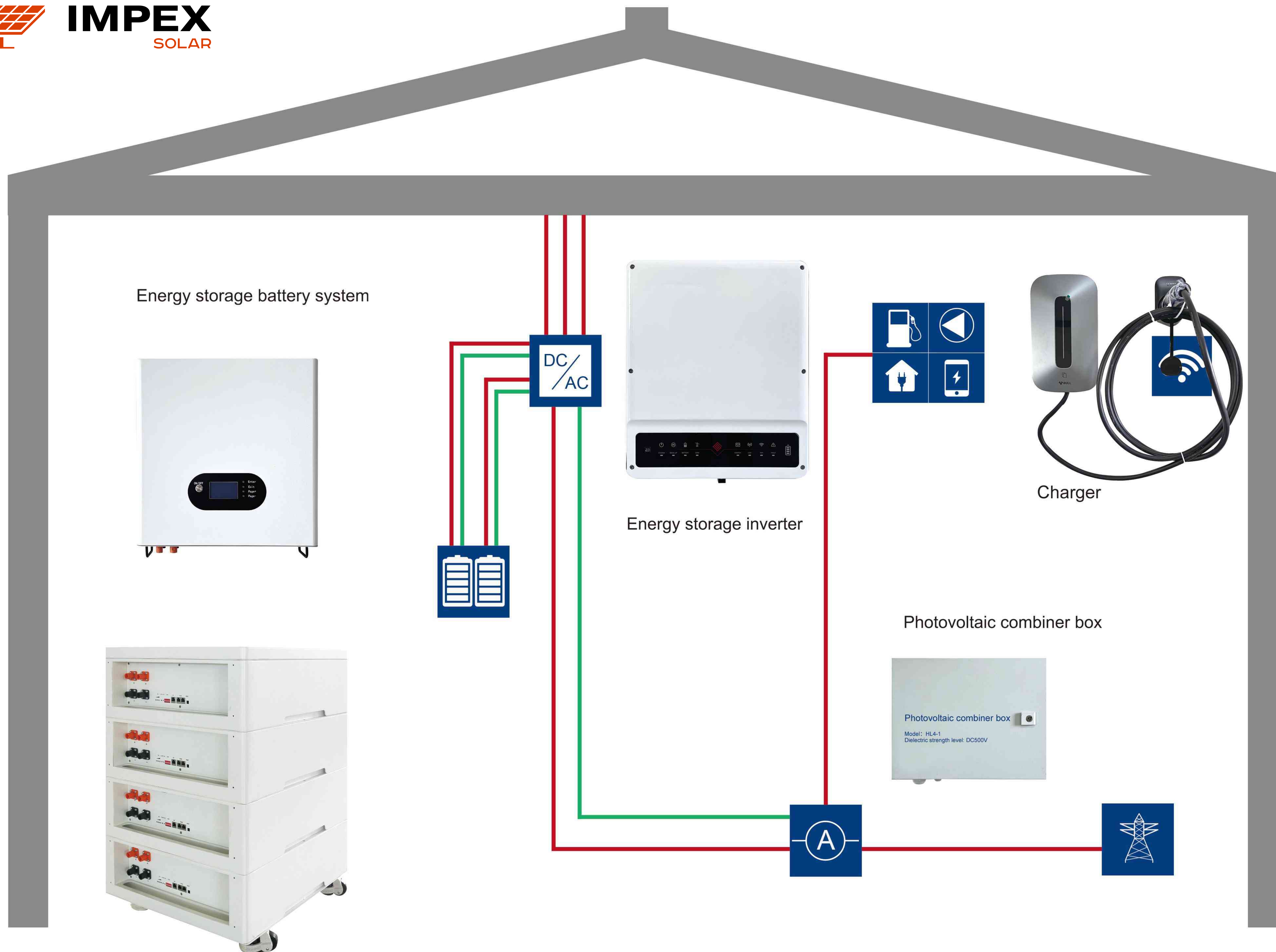


CONTAINERIZED ESS
(HZC SERIES)



Container Energy Storage System

Rated output power		5MWh(0.5C)	2.5MWh(0.5C)
Rated capacity		3.2V280AH/314AH CELL、51.2V280AH/314AH module	
AC Phases		Three-phase Four-wire	
Grid discharge mode	Rated voltage	380V	
	Voltage range	380±15%V	
	Rated frequency	50Hz	
	Frequency range	47.5 ~ 51.5Hz	
	Total current waveform	<5%	
	Distortion rate(THD)	<5%	
	Output power factor	≥0.99	
Off-grid operation mode	Rated voltage	380V	
	Voltage accuracy	<±3%	
	Output voltage distortion	<5%	
	Rated output frequency	50±2%Hz	
	Voltage transition range	<10%	
	Withstand three - phase load imbalance	100%	
On-Grid operation mode	Rated voltage	400V	
	Voltage range is allowed	380±15%V	
	Frequency range	47.5~51.5HZ	
	Power factor	≥0.99(absolute value)	
Noise		< 70dB	
IP GRADE		IP54	
Internal communication		Ethernet	
Customized Container		Fire Extinguisher/Lighting system/Air cooling (Water cooling system optional/Anti fire Layer etc)	
Dimension		40'HQ	20'HQ
Weight		~70TON	~30TON
Cooling method		Air cooling/Liquid cooling	
Certification: CE/MSDS/UN38.3/UL/IEC62619/VDE4110			



COMPATIBLE
INVERTER BRAND





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