CONCENPOWER®
Make Impossible to Possible

ENERGY STORAGE SYSTEM

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Hello!

Thank you for choosing and using CONCENPOWER energy storage system.

If you have any questions during use, please go to our official website *(www.cocenpower.com)* and we will provide you with corresponding technical support.

For more new products information, please check on the official website.

Concentrate Power

Stacked

Energy Storage System

Stacked energy storage systems can be connected in series and parallel according to customer needs. The capacity of a single battery pack is divided into 2.66kwh, 5kwh, 10kwh, customers can choose according to their own needs

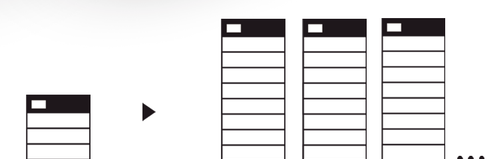
High Voltage

Series Connection System

7.5kWh-1200kWh energy storage system

The CON-HVS battery cabinet is composed of 3-8 battery packs connected in series. The voltage range is from 153.6V to 409.6V. Depending on the capacity of a single battery pack, the capacity of a single battery cabinet ranges from 7.5kWh to 20kWh, 15kWh to 40kWh, and 30kWh to 80kWh. A single battery cabinet can support 1-3 phase inverters.

A CON-HVS energy storage system formed by connecting battery packs in series. In addition, 1 to 15 battery canbinets can be directly connected in parallel, and the total capacity can achieve 7.5kWh to 300kWh,15kWh to 600kWh, 30kWh to 1200kWh. The high-voltage series system works with the battery combiner box, which can support 1 ～ 3 phase inverters

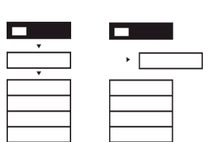


Battery Cabinet

Multiple battery package connected in series

15 x Battery Cabinet

Can support up to 15 battery cabinets in paralle connection
Voltage Range 153.6V to 409.6V



Change Anytime

The capacity of the battery cabinets can be freely combined according to the actual situation

High Voltage

High voltage output matches more electrical appliances

Battery Package Series Connection

The high-voltage battery cabinet is composed of 3-8 battery packs connected in series. The voltage range is from 153.6V to 409.6V. Depending on the capacity of a single battery pack, the capacity of a single battery cabinet ranges from 7.5kwh to 20kWh, 15kWh to 40kWh, and 30kWh to 80kWh. A single battery cabinet can support 1-3 phase inverters.

Battery Cabinet Parallel Connection

A high-voltage series energy storage system formed by connecting battery packs in series. In addition, 1 to 15 battery canbinets can be directly connected in parallel, and the total capacity can achieve 7.5kWh to 300kWh,15kWh to 600kWh, 30kWh to 1200kWh. The high-voltage series system works with the battery combiner box, which can support 1 ～ 3 phase inverters

Off Grid & Backup

High-capacity energy storage systems can be used for off-grid applications and emergency backup power. Whether it is for remote large-scale equipments or backup power for sensitive loads, CONCENPOWER can provide you with a suitable energy storage combination solution.

Residential & Commercial

Whether it is residential or commercial, you can build it with modular battery pack. For install-ers, the modular design can increase or decrease the capacity during the user's use.

Self Consumption

With the rise of electricity prices around the world, the reduction of subsidies for new energy power generation, and the generation of 'peak and valley' electricity prices, the self-consumption of new energy power generation will become the future.

2.5kWh Series

Battery Package	High Voltage Battery Package (2.5kWh, 51.2V,26Kg)					
Number of Package	3	4	5	6	7	8
Usable Capacity	7.5kWh	10kWh	12.5kWh	15kWh	17.5kWh	20kWh
Cont. Output Current	100A	100A	100A	100A	100A	100A
Peak Output Current	120A,1s	120A,1s	120A,1s	120A,1s	120A,1s	120A,1s
Nominal Voltage	153.6V	204.8V	256V	307.2V	358.4V	409.6V
Operating Voltage	120~175.2V	160~233.6V	200~292V	240~350.4V	280~408.8V	320~467.2V
Dimensions (H/W/D)	840* 300*550mm	1020* 300*550mm	1200* 300*550mm	1380* 300*550mm	1560* 300*550mm	1740* 300*550mm

Operating Temperature	-10°C~50°C
Battery Type	Lithium iron phosphate Battery (LiFePO4)
Communication	RS485 + CAN
Enclosure Protection Rate	IP55
Round-trip Efficiency	≥ 95%
Applications	OFF grid (Backup) / ON Grid + OFF Grid (Backup)

1: Test conditions: 25 °C, 100 % depth of discharge (DOD), 1C charge& 1.5C discharge

2: Refer to battery warranty letter for conditional application

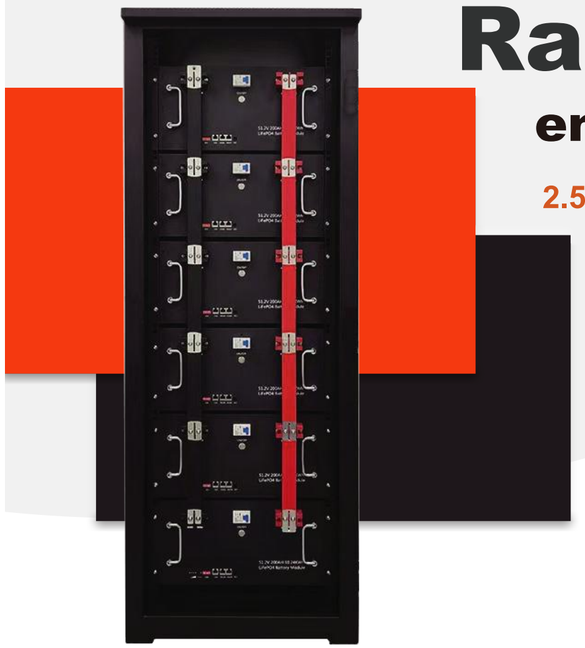
5 Kwh / 10Kwh Series

Battery Package	High Voltage Battery Package (5kWh, 51.2V,65Kg)					
5Kwh Package Usable Capacity	15kWh	20kWh	25kWh	30kWh	35kWh	40kWh
Dimensions (H/W/D)	870* 435*700mm	1060* 435*700mm	1250* 435*700mm	1440* 435*700mm	1630* 435*700mm	1820* 435*700mm
Battery Package	High Voltage Battery Package (10kwh, 51.2V,135Kg)					
10Kwh Package Usable Capacity	30kWh	40kWh	50kWh	60kWh	70kWh	80kWh
Dimensions (H/W/D)	1095* 435*700mm	1360* 435*700mm	1625* 435*700mm	1890* 435*700mm	2155* 435*700mm	2420* 435*700mm
Cont. Output Current	120A	120A	120A	120A	120A	120A
Peak Output Current	150A,1s	150A,1s	150A,1s	150A,1s	150A,1s	150A,1s
Nominal Voltage	153.6V	204.8V	256V	307.2V	358.4V	409.6V
Operating Voltage	120~175.2V	160~233.6V	200~292V	240~350.4V	280~408.8V	320~467.2V

Operating Temperature	-10°C~50°C
Battery Type	Lithium iron phosphate Battery (LiFePO4)
Communication	RS485 + CAN
Enclosure Protection Rate	IP55
Round-trip Efficiency	≥ 95%
Applications	OFF grid (Backup) / ON Grid + OFF Grid (Backup)

1: Test conditions: 25 °C, 100 % depth of discharge (DOD), 1C charge& 1.5C discharge

2: Refer to battery warranty letter for conditional application



Rack-mounted

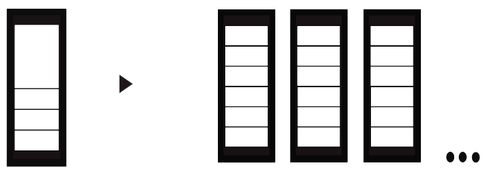
energy storage System

2.5kWh-900kWh energy storage system

The Rack-mounted battery cabinet is composed of 1-6 battery packs connected in parallel. The voltage is stable at 51.2V. Depending on the capacity of a single battery pack, the capacity of a single battery cabinet ranges from 2.5kWh to 15kWh, 5kWh to 30kWh, and 10kWh to 60kWh. A single battery cabinet can support 1-3 phase inverters.

A Rack-mounted energy storage system formed by connect-

ing battery packs in parallel. In addition, 1 to 15 battery canbinets can be directly connected in parallel, and the total capacity can achieve 2.5kWh to 225kWh,5kWh to 450kWh, 10kWh to 900kWh. The low-voltage parallel system works with the battery combiner box, which can support 1-3 phase inverters

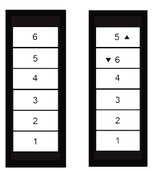


Battery Cabinet

Multiple battery package connected in series

15 x Battery Cabinet

Can support up to 15 battery cabinets in parallel connection
Voltage Range stable at 51.2V



Change Anytime

The capacity of the battery cabinets can be freely combined according to the actual situation

51.2V Output

51.2V output matches more 1-3 phase high power inverter

Battery Package Parallel Connection

The Rack-mounted battery cabinet is composed of 1-6 battery packs connected in **parallel**. The voltage is stable at 51.2V. Depending on the capacity of a single battery pack, the capacity of a single battery cabinet ranges from 2.5kWh to 15kWh, 5kWh to 30kWh, and 10kWh to 60kWh. A single battery cabinet can support 1-3 phase inverters.

Battery Cabinet Parallel Connection

A Rack-mounted parallel energy storage system formed by connecting battery packs in parallel. In addition, 1 to 15 battery canbinets can be directly connected in parallel, and the total capacity can achieve 2.5kWh to 225kWh,5kWh to 450kwh, 10kWh to 900kWh. The low-voltage parallel system works with the battery combiner box, which can support 1-3 phase inverters

Off Grid & Backup

High-capacity energy storage systems can be used for off-grid applications and emergency backup power. Whether it is for remote large-scale equipments or backup power for sensitive loads, CONCENPOWER can provide you with a suitable energy storage combination solution.

Residential Use

The product configuration is more suitable for the field of home energy storage, and the stable system voltage of 51.2V can match more home inverters.

Self Consumption

With the rise of electricity prices around the world, the reduction of subsidies for new energy power generation, and the generation of 'peak and valley' electricity prices, the self-consumption of new energy power generation will become the future.

2.5kWh Parallel

Battery Package	Battery Package (2.5kWh, 51.2V,26Kg)					
Number of Package	1	2	3	4	5	6
Usable Capacity	2.5kWh	5kWh	7.5kWh	10kWh	12.5kWh	15kWh
Cont. Output Current	52A	104A	104A	104A	104A	104A
Peak Output Current	180A,1s	180A,1s	180A,1s	180A,1s	180A,1s	180A,1s
Nominal Voltage	51.2V	51.2V	51.2V	51.2V	51.2V	51.2V
Operating Voltage	40-58.4V	40-58.4V	40-58.4V	40-58.4V	40-58.4V	40-58.4V
Dimensions (H/W/D)	480* 300*550mm	660* 300*550mm	840* 300*550mm	1020* 300*550mm	1200* 300*550mm	1380* 300*550mm

Operating Temperature	-10°C~50°C
Battery Type	Lithium iron phosphate Battery (LiFePO4)
Communication	RS485 + CAN
Enclosure Protection Rate	IP55
Round-trip Efficiency	≥ 95%
Applications	OFF grid (Backup) / ON Grid + OFF Grid (Backup)

1: Test conditions: 25 °C, 100 % depth of discharge (DOD), 1C charge& 1.5C discharge

2: Refer to battery warranty letter for conditional application

5 kWh / 10kWh Parallel

Battery Package	Battery Package (5kWh, 51.2V,65Kg)					
5Kwh Package Usable Capacity	5kWh	10kWh	15kWh	20kWh	25kWh	30kWh
Dimensions (H/W/D)	490* 435*650mm	680* 435*650mm	870* 435*650mm	1060* 435*650mm	1250* 435*650mm	1440* 435*650mm
Battery Package	Battery Package (10kWh, 51.2V,135Kg)					
10Kwh Package Usable Capacity	10kWh	20kWh	30kWh	40kWh	50kWh	60kWh
Dimensions (H/W/D)	565* 435*700mm	820* 435*700mm	1095* 435*700mm	1360* 435*700mm	1625* 435*700mm	1890* 435*700mm
Cont. Output Current	52A	104A	104A	104A	104A	104A
Peak Output Current	180A,1s	180A,1s	180A,1s	180A,1s	180A,1s	180A,1s
Nominal Voltage	51.2V	51.2V	51.2V	51.2V	51.2V	51.2V
Operating Voltage	40-58.4V	40-58.4V	40-58.4V	40-58.4V	40-58.4V	40-58.4V

Operating Temperature	-10°C~50°C
Battery Type	Lithium iron phosphate Battery (LiFePO4)
Communication	RS485 + CAN
Enclosure Protection Rate	IP55
Round-trip Efficiency	≥ 95%
Applications	OFF grid (Backup) / ON Grid + OFF Grid (Backup)

1: Test conditions: 25 °C, 100 % depth of discharge (DOD), 1C charge& 1.5C discharge

2: Refer to battery warranty letter for conditional application

Wall Mounting ESS system

Parallel connection energy storage system

4.8kWh / 9.6kWh Parallel System

Wall Mounting

The wall design is adopted to reduce the position occupied during installation.

Support Any VArious Type Inverter

Villas **Nomadic area** **Farm** **Household**

Product Parameters

Model	CON-WM4.8P	CON-WM9.6P
Battery Voltage Range	40V-58.4V	40-58.4V
Battery Capacity Range	100AH	200AH
MaximumCharging/DischargingCurrent	50A/100A	100A/200A
Battery Classification	LiFePO4	
USB	RS485/RS232/CAN(optional)	
Battery Charging andDischarging Efficiency	≥92%	
Maximum power	5.12KW	10.24KW
Cooling Mode	Natural cooling	
Dimension(H//L)	568*165*453 mm	1000*100*770 mm
Weight	50kg	78kg
Monitoring	YES	
PACK Cycle Life	6000times >80% primary capacity (25°C$2°C, 0.2C charge /0.2C discharge)	
Design Life	10 Years	
Number in parallel	16P	

1: Test conditions: 25 °C, 100 % depth of discharge (DOD), 1C charge& 1.5C discharge

2: Refer to battery warranty letter for conditional application

Inverter+

Energy Storage System

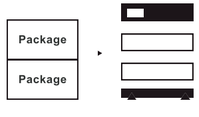
Stacked energy storage systems can be connected in series and parallel according to customer needs. The capacity of a single battery pack is divided into 2.5kwh, 5kwh, 10kwh, customers can choose according to their own needs

Stacked All in one

Inverter + 51.2V Energy storage system

Build-in inverter 5 kWh-80 kWh
51.2 V parallel energy storage system

The system adopts a stacked battery pack and inverter design, and distributors can freely combine the energy storage system capacity and inverter power according to the local market to cater to the local market. The battery capacity of this product is 2.5kWh, 5kWh, 10kWh, and can be matched with a 3-10kW inverter.

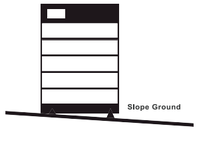


Modular System Design

Reducing transportation costs, users can freely combine according to their needs

Stacking Design

Reduce the product's requirements for the installation environment and reduce the difficulty of installation; increase the flexibility of system movement.



Four-corner Horizontal Pads

Avoid the occurrence of electrical conduction caused by the direct contact of the metal shell with the ground, which will cause unnecessary losses; in addition, the adjustable foot design is more helpful for moisture-proofing the product and reducing the need for ground flatness.

Multiple Protection System

· BMU energy storage system centralized management protection system

Real-time monitoring of the operation of each battery unit, and centralized management of each battery unit. It has protection for the overall system overcurrent, overvoltage, overload, temperature, etc. In case of special circumstances, the system can be adjusted and managed in time.

·BMS battery unit management system

Protect the battery unit, and monitor the battery voltage, temperature, and various operating parameters of the battery unit in real time. While transmitting the running information to the BMU, the battery unit is also individually protected.

·Air switch protection

In order to increase the safety of the overall system, in addition to the one-button start function, each module of the system is equipped with an air switch. Avoid system overcurrent and overvoltage during installation and use.

Zero-voltage Charging Start

This system supports zero-voltage charging start function. That is to avoid the situation that the system cannot be activated and operated after long-term transportation or storage. After the system has not been used for a long time, it only needs to be charged to activate the system.

Build-in Industry Frequency Inverter

This product contains a build-in 5kw industry frequency inverter, which has strong overload capacity and stable operation. No additional configuration of inverter is required. The integrated combination design eliminates the need for users to reserve additional inverter installation space, avoids complicated system connection lines, and increases the safety factor.

2.5 kWh 1- 4 Battery Pack

Battery Package	Battery Package (2.5kWh, 51.2V,26Kg, 550*300*180mm)			
Number of Package	1	2	3	4
Usable Capacity	2.5kWh	5kWh	7.5kWh	10kWh
Cont. Output Current	100A	100A	100A	100A
Peak Output Current	150A	150A	150A	150A
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Operating Voltage	40~58.4V	40~58.4V	40~58.4V	40~58.4V
Szie (L/W/H)	550*300*480mm	550*300*660mm	550*300*840mm	550*300*1020mm
Weight (Kg)	58	84	110	136

Operating Temperature	-10°C~50°C
Charging Temperature	Above 0 °C
Battery Type	Lithium iron phosphate battery(LiFePO4)
Communication	RS485,CAN
Enclosure Protection Rating	IP55
Life Cycle	3000 times
Warranty	5 Years

2.5 kWh 5 - 8 Battery Pack

Battery Package	Battery Package (2.5kWh, 51.2V,26Kg, 550*300*180mm)			
Number of Package	5	6	7	8
Usable Capacity	12.5kWh	15kWh	17.5kWh	20kWh
Cont. Output Current	100A	100A	100A	100A
Peak Output Current	150A	150A	150A	150A
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Operating Voltage	40~58.4V	40~58.4V	40~58.4V	40~58.4V
Szie (L/W/H)	550*300*1200mm	550*300*1380mm	550*300*1560mm	550*300*1740mm
Weight (Kg)	162	188	214	240

Inverter Parameter

Inverter Type	Industry Frequency Inverter
Rate Output Power	3000W
AC Input/Output Voltage	160-260V / 80~130V
AC Input/Output Frequency	50 / 60Hz
Solar Controller	Build-in MPPT *2 Road
Solar Input Current	MAX. 80A *2
Solar Input Voltage	60-180V

5 kWh 1 - 4 Battery Pack

Battery Package	Battery Package (5.12kWh, 51.2V,45Kg, 700*435*190mm)			
Number of Package	1	2	3	4
Usable Capacity	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Cont. Output Current	100A	100A	100A	100A
Peak Output Current	150A	150A	150A	150A
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Operating Voltage	40~58.4V	40~58.4V	40~58.4V	40~58.4V
Szie (L/W/H)	700*435*490mm	700*435*680mm	700*435*870mm	700*435*1060mm
Weight (Kg)	95	143	192	240

Operating Temperature	-10°C~50°C
Charging Temperature	Above 0 °C
Battery Type	Lithium iron phosphate battery(LiFePO4)
Communication	RS485,CAN
Enclosure Protection Rating	IP55
Life Cycle	3000 times
Warranty	5 Years

5 kWh 5 - 8 Battery Pack

Battery Package	Battery Package (5.12kWh, 51.2V,45Kg, 700*435*190mm)			
Number of Package	5	6	7	8
Usable Capacity	25.6kWh	30.72kWh	35.84kWh	40.96kWh
Cont. Output Current	100A	100A	100A	100A
Peak Output Current	150A	150A	150A	150A
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Operating Voltage	40~58.4V	40~58.4V	40~58.4V	40~58.4V
Szie (L/W/H)	700*435*1250mm	700*435*1440mm	700*435*1630mm	700*435*1820mm
Weight (Kg)	289	338	387	436

Inverter Parameter

Inverter Type	Industry Frequency Inverter
Rate Output Power	5000W/10000W
AC Input/Output Voltage	160-260V / 80~130V
AC Input/Output Frequency	50 / 60Hz
Solar Controller	Build-in MPPT *2 Road
Solar Input Current	MAX. 80A*2
Solar Input Voltage	60-180V

10 kWh 1- 4 Battery Pack

Battery Package	Battery Package (10.24kWh, 51.2V,83Kg, 700*435*265mm)			
Number of Package	1	2	3	4
Usable Capacity	10kWh	20kWh	30kWh	40kWh
Cont. Output Current	200A	200A	200A	200A
Peak Output Current	250A	250A	250A	250A
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Operating Voltage	40~58.4V	40~58.4V	40~58.4V	40~58.4V
Szie (L/W/H)	700*435*565mm	700*435*830mm	700*435*1095mm	700*435*1010mm
Weight (Kg)	141	224	307	390

Operating Temperature	-10°C~50°C
Charging Temperature	Above 0 °C
Battery Type	Lithium iron phosphate battery(LiFePO4)
Communication	RS485,CAN
Enclosure Protection Rating	IP55
Life Cycle	3000 times
Warranty	5 Years

10 kWh 5 - 8 Battery Pack

Battery Package	Battery Package (10.24kWh, 51.2V,83Kg, 700*435*265mm)			
Number of Package	5	6	7	8
Usable Capacity	50kWh	60kWh	70kWh	80kWh
Cont. Output Current	200A	200A	200A	200A
Peak Output Current	250A	250A	250A	250A
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Operating Voltage	40~58.4V	40~58.4V	40~58.4V	40~58.4V
Szie (L/W/H)	700*435*1625mm	700*435*1890mm	700*435*2115mm	700*435*2420mm
Weight (Kg)	473	556	639	722

Inverter Parameter

Inverter Type	Industry Frequency Inverter
Rate Output Power	5000W /10000W
AC Input/Output Voltage	160-260V / 80~130V
AC Input/Output Frequency	50 / 60Hz
Solar Controller	Build-in MPPT *2 Road
Solar Input Current	MAX. 80A*2
Solar Input Voltage	60-180V

Integrative Power Bank

3kW-10kW all in one energy storage

An integrated power bank is a compact, self-contained, enclosed energy storage device that integrates a battery system and an inverter. It directly outputs AC power for use by electrical equipment. Depending on the model, the capacitance is 5kWh to 10kWh, the AC output power is 3kW to 10kW, and the output voltage is 110V/220V. This product can support customer customization.

DUAL INPUT

- Support AC utility and solar dual input mode, convenient for different situations
- Quickly switch working modes to ensure stable power supply

COMPLETE PROTECTION

- More than 5 protection modes, ensure smooth operation of the product
- Multiple protection, protect your safety while protecting the product

FELIXIBILITY

- Grounding design, installation does not require a load-bearing wall
- Wheel design, move the product easily

EASY INSTALLATION

- Compact and light, single person installation
- Integrated design, no need for multi-line links, simple operation

Off-Grid & Backup

High-capacity energy storage systems can be used for off-grid applications and emergency backup power. In some areas where there is a shortage of electricity, this product can be used as a backup power supply. Whether it is home or work, CONCENPOWER can provide you with continuous power.

Economical & Environmentally Friendly

With the rise of electricity prices, the global energy crisis and the changes in the global environment, new energy power generation can be environmentally friendly while being economical.

LFP Batteries

The product uses Lithium Iron Phosphate (LFP) batteries to ensure maximum safety, life cycle and power. Strong stability allows the product to be used in a wide range of temperatures and regions.

Integrative & convenient

With the design of the inverter + energy storage system, the user does not need redundant wiring, which simplifies the installation steps. In addition, users do not need to consider the choice of inverters, CONCENPOWER provides users with more suitable one-stop energy storage services

5ms Mode Switch Time

Shorter working mode switching, when the battery is exhausted, the system can automatically switch modes within 5ms, and the electrical appliances at the user end will not be affected in any way, protecting the life of the electrical appliances.

Wider Application

This series of products reduces the requirements for the installation environment and is more in line with the diversified market. There is no need to configure an additional inverter, and there is no need to choose a load-bearing wall for installation.

Energy Storage System

General Information						
Product No.	CON-H53	CON-H55	CON-H510	CON-H103	CON-H105	CON-H1010
Product size	600*300*1000 mm					
Product weight	80kg	91kg	130kg	120kg	128kg	130kg
Package size	695*395*1150 mm					
Product gross weight	106kg	117kg	156kg	146kg	154kg	156kg
Working temperature	0 ~ 40 °C					
Working altitude	less than 2000m					
Battery information						
Battery type	Lithium iron phosphate battery					
Battery rate voltage	51.2V					
Battery capacity		5000 Wh			10000 Wh	

1: Test conditions: 25 °C, 100 % depth of discharge (DOD), 1C charge& 1.5C discharge

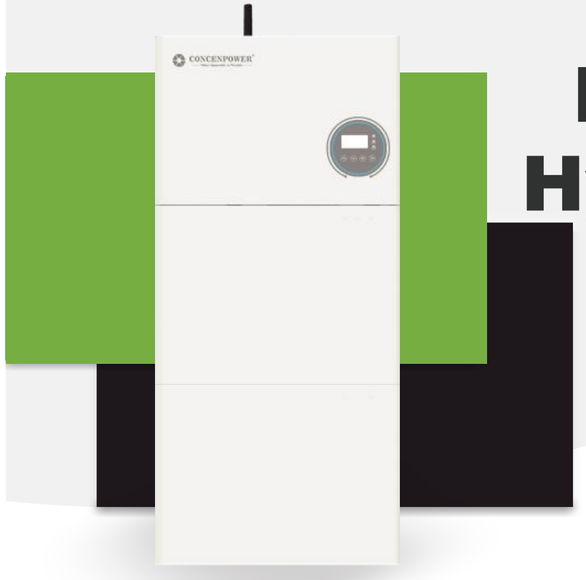
2: Refer to battery warranty letter for conditional application

Inverter Parameter

AC output information						
Inverter type	Pure sine wave frequency inverter					
Inverter rate power	3kW	5kW	10kW	3kW	5kW	10kW
Inverter MAX. power	6kW	10kW	20kW	6kW	10kW	20kW
AC output voltage	80-130V / 160-240V					
AC output frequency	50Hz - 60Hz intelligent monitor					
Product input information						
AC input voltage	80-130V / 160-240V					
AC input frequency	50Hz - 60Hz intelligenct monitor					
Solar controller	Build-in MPPT					
Solar input voltage	72V					
Solar input currenct	60A / 80A					
Protection system						
Over / under voltage protection	YES					
Over current protection	YES					
Over / under temperature protection	YES					
DC breaker	YES					

1: Test conditions: 25 °C, 100 % depth of discharge (DOD), 1C charge& 1.5C discharge

2: Refer to battery warranty letter for conditional application



High Voltage ESS System + Hybrid Inverter

Build-in Hybrid 1/3 phase inverter High Voltage energy storage system

This system consists of 1 to 2 high-voltage battery banks connected in series and paired with a high-voltage hybrid inverter.Battery system customers can have two specifications: 4.8kwh and 9.6kwh. Customers can combine and form the required energy storage system according to their own needs.

The inverter matched with this series of products is a hybrid inverter, which can fully realize grid-connected, off-grid, UPS and other functions. In addition, there are 1phase output and 3phase output to choose from.

96%

MAX.BATTERY EFFICIENCY 96%

MAX.SYSTEM EFFICIENCY 98%

98%

TWICE PV INPUT

Up to 2 times PV input, 50% kW for Loads and 50% for Battery charging.

BATTERY SHARING

Support battery sharing of energy storage system, for balancing SOC equalization

GRID FORMING FUNCTION

Found fixed grid for the operation of on-gird inverters during power outage.

GENERATOR CONTROL

Automatic generator control with auto-start and state feedback. Local EMS+-Cloud+APP control interface.

INVERTER PARALLEL FUNCTION

Supports a maximum of 6 inverters in parallel, with sharing one group of batter-ies.

LOAD COMPATIBILITY

Load monitoring accuracy of 30 W. Battery discharging threshold of 10 W. UPS-level control, compatible with inductive loads.

HIGH PERFORMANCE

200% PV over management;
200% backup overload capacity,
50A battery current;
Max. efficiency 98%,
Battery efficiency 96%;
Load monitoring accuracy 10W
Battery discharging threshold 10W;

HIGH RELIABILITY

UPS level redundant protection against backup load breakdown;
Three-level firmware
two-level hardware battery protection;
Multiple temperature monitoring
delicate thermal management;
Max. 6 Inverters in parallel to increase power availability.

HIGH INTELLIGENCE

Internal EMS optimizes home energy supply automatically;
PV production forecast;
Built-in electric power service, FCAS, VPP
Online monitoring, online diagnosis, online service.

3 Phase Inverter 4.8kwh battery pack

	CON-INV-3PH8K	CON-INV-3PH10K	CON-INV-3PH12K
PV INPUT			
Max. PV Input Power	16kW	20kW	22.5kW
Max. PV Input Voltage		1100V	
MPPT Range		140~950V	
Max. Input Current		16A / 16A / 16A	
Max. Short Circuit Current		24A / 24A / 24A	
MPPT Trackers		3	
Strings Per MPPT Tracker		1 / 1 / 1	
AC PORT			
Rated Grid Output Power	8kVA	10kVA	12kVA
Max. Grid Input Power	16kVA	20kVA	22.5kVA
Rated Grid / Backup Voltage		220/380Vac,230/400Vac, 3/N/PE	
Rated Grid / Backup Frequency		50/60Hz	
Surge Backup Power	16kVA / 16kW	20kVA/20kW	24kVA/24kW
Rated Backup Power	8kVA	10kVA	12kVA
THDi		<3%	
THDv		<3% (Linear Load)/<5%(Non-linear Load)	
DCV		<100mV	
Crest Ratio		3:1	
Transfer Time		<10ms	

EFFICIENCY	
Max. Efficiency	98.4%
Max. Round Trip Efficiency	96%
GENERAL DATA	
Operating Temperature Range	-20~60℃
Topology	Transformerless
Dimensions (W*H*D)	590×416×205mm
Weight	25kg
Load Monitoring	Meter / CT / Backup box
External Communication	RS-485 / WIFI / 4G / Ethernet
Grid Regulation	VDE-AR-N 4105:2018, G98, G99, C10/11:2021, NTS 631, RD647:2020
	UNE 217002:2020, CEI 0-21, VDE 0126-1-1, NRS 097-2-1, AS/NZS 4777.2:2020, EN 50549-1
Safety Regulation	IEC/EN 62109-1&2, IEC/EN 62477-1:2012
BATTERT INFORMATION	
Battery Type	LFP
Battery Capacity	4.8kWh
Usable Capacity	4.6kWh
Depth of Discharge (DoD)	95%
Nominal Battery Voltage	96V
Operating Voltage Range	90~108V
Max. Charging Current	50A
Max. Discharging Current	50A
Operating Temperature Range	Charge:0<T<50℃ / Discharge:-10<T<50℃
Cycle Lifetime	8000
Series	1~6 in series
Dimensions (W*H*D)	590x430x205 mm

Weight	39.2kg
Communication	CAN / RS-485 (Optional)
Safety Regulation	IEC 62619:2017, IEC 62040:2017
Transportation	UN38.3
SYSTEM GENERAL INFORMATION	
Operating Altitude	≤3000m (>3000m Derating)
Relative Humidity	0~95% (No Condensing)
Protection Degree	IP65
Cooling	Natural Convection
Noise	<30dB
Warranty	5 years / 10 years
EMC	IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4

1: Test conditions: 25 °C, 100 % depth of discharge (DOD), 1C charge& 1.5C discharge

2: Refer to battery warranty letter for conditional application

1 Phase Inverter 4.8kwh /9.6kwh battery pack

	CON-INV-1PH4K	CON-INV-1PH5K	CON-INV-1PH6K
PV INPUT			
Max. PV Input Power	8kW	10kW	12kW
Max. PV Input Voltage		1100V	
MPPT Range		140~950V	
Max. Input Current		16A / 16A / 16A	
Max. Short Circuit Current		24A / 24A / 24A	
MPPT Trackers		3	
Strings Per MPPT Tracker		1 / 1 / 1	
AC PORT			
Rated Grid Output Power	4kVA	5kVA	6kVA
Max. Grid Input Power	8kVA	10kVA	12kVA
Rated Grid / Backup Voltage		220/380Vac, 230/400Vac, 3/N/PE	
Rated Grid / Backup Frequency		50 / 60Hz	
Surge Backup Power	8kVA / 8kW	10kVA / 10kW	12kVA / 12kW
Rated Backup Power	4kVA	5kVA	6kVA
THDi		<3%	
THDv		<3% (Linear Load) / <5%(Non-linear Load)	
DCV		<100mV	
Crest Ratio		3:1	
Transfer Time		<10ms	

EFFICIENCY			
Max. Efficiency	98%	98%	98.2%
Max. Round Trip Efficiency		96%	
GENERAL DATA			
Operating Temperature Range		-20~60℃	
Topology		Transformerless	
Dimensions (W*H*D)		590×416×205mm	
Weight		25kg	
Load Monitoring		Meter / CT / Backup box	
External Communication		RS-485 / WIFI / 4G / Ethernet	
Grid Regulation		VDE-AR-N 4105:2018, G98, G99, C10/11:2021, NTS 631, RD647:2020	
		UNE 217002:2020, CEI 0-21, VDE 0126-1-1, NRS 097-2-1, AS/NZS 4777.2:2020, EN 50549-1	
Safety Regulation		IEC/EN 62109-1&2, IEC/EN 62477-1:2012	
BATTERT INFORMATION			
Battery Type		LFP	
Battery Capacity	4.8kWh		9.6kWh
Usable Capacity	4.6kWh		9.1kWh
Depth of Discharge (DoD)		95%	
Nominal Battery Voltage		96V	
Operating Voltage Range		90~108V	
Max. Charging Current		50A	
Max. Discharging Current		50A	
Operating Temperature Range		Charge:0<T<50℃ /Discharge:-10<T<50℃	
Cycle Lifetime		8000	
Series	1~6 in Series		1~6 in Parallel
Dimensions (W*H*D)	590x430x205 mm		590x730x205 mm
Weight	39.2kg		86kg
Communication		CAN / RS-485 (Optional)	
Safety Regulation		IEC 62619:2017, IEC 62040:2017	
Transportation		UN38.3	
SYSTEM GENERAL INFORMATION			
Operating Altitude		≤3000m (>3000m Derating)	
Relative Humidity		0~95% (No Condensing)	
Protection Degree		IP65	
Cooling		Natural Convection	
Noise		<30dB	
Warranty		5 years / 10 years	
EMC		IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4	

1: Test conditions: 25 °C, 100 % depth of discharge (DOD), 1C charge& 1.5C discharge

2: Refer to battery warranty letter for conditional application

Portable

Power Station

The product is designed with a metal shell / light plastic shell, which is more suitable for a variety of use environments. Built-in inverter and photovoltaic controller. The product supports dual input mode. Meet the needs of users in different environments.

Portable Power Station

500W - 2000W Portable Energy Storage system

The portable power station is specially designed for customers with mobile power needs. The product power ranges from 500W to 2000W, which can meet the needs of different electrical appliances. Customers can use this product to charge mobile electronic devices such as mobile phones and laptops, which solves the problem of power shut down of mobile devices during the journey; secondly, for customers traveling outdoors, this product can drive high-power electrical appliances, such as Electrical rice cooker, kettle and other heating equipment

DUAL INPUT

- Support AC utility and solar dual input mode, convenient for different situations
- Quickly switch working modes to ensure stable power supply

COMPLETE PROTECTION

- More than 5 protection modes, ensure smooth operation of the product
- Multiple protection, protect your safety while protecting the product

STRONG SHELL

- Solve the shortcomings of traditional plastic products fragile
- Not afraid of heavy pressure, durable

SEPARATED DC + AC DESIGN

- The AC part and the DC part are designed on both sides of the chassis, which not only increases the safety factor of the user, but also improves the product life

Travel Friendly

During travel, it can effectively charge various travel equipment and mobile electronic equipment. Improve the travel experience.

Emergency Power Supply

In an emergency, the product can be used as an emergency power supply, and the multi-function charging port can match different types of equipment.

Multiple Protection

Multiple protection, such as under-voltage protection, over-voltage protection, etc. make the product safe, reliable, and have a long service life.While protecting the safety of consumers, it also improves the service life of products and electrical appliances.

2 Charge Mode

Support 2 charging modes, photovoltaic charging and mains charger charging. Ensure that the environment can operate normally under different usage environments.

Multiple Electrical Port

In order to adapt to the use of different electronic equipment, the product is equipped with a variety of AC output ports,equipped with various electric port, USB and Type-C, it can charge various mobile devices.

Attractive and Durable

The metal shell has a high level of protection and is attractive and durable.

The surface treatment technology of the plastic sprayed shell is anti-corrosion and wear-resistant, and is more suitable for various environments.

Energy Storage System

General Information						
Product No.	IBO-55	IBO-510	IBW-1010	IBW-1020	IBW-2020	IBW-2520
Product size	310*300*200 mm		310*460*280 mm			
Working temperature	0 ~ 40 °C					
Working altitude	less than 2000m					
Battery information						
Battery type	Lithium iron phosphate battery					
Battery rate voltage	12.8V	12.8V	25.6V	25.6V	25.6V	25.6V
Battery capacity	614 Wh	614 Wh	1075Wh	1075Wh	1843 Wh	2560 Wh
AC output information						
Inverter type	Pure sine wave inverter					
Inverter rate power	500W	1000W	1000W	2000W	2000W	2000W
Inverter MAX. power	1000W	2000W	2000W	4000W	4000W	4000W
AC output voltage	80-130V / 160-240V					
AC output frequency	50Hz - 60Hz intelligent monitor					

Product Information

Product input information						
AC input voltage	80-130V / 160-240V					
AC input frequency	50Hz - 60Hz intelligenct monitor					
Solar controller	Build-in PWM					
Solar input voltage	24V	24V	36V	36V	36V	36V
Solar input currency	15A					
Protection system						
Over / under voltage protection	YES					
Over current protection	YES					
Over / under temperature protection	YES					

1: Test conditions: 25 °C, 100 % depth of discharge (DOD), 1C charge& 1.5C discharge

2: Refer to battery warranty letter for conditional application

DC Portable Power Station

768Wh - 1280Wh DC Energy Storage system

The DC portable power bank uses high-efficiency photovoltaic panels for charging, which effectively solves the inconvenience caused by no charging input outdoors. This outdoor power bank can be effectively connected to DC power equipments, such as DC refrigerators, fans and charge mobile phones and other electronic devices to charge. It is widely used in camping, self-driving tours, yurts and other places.

- Balance protection
- Low-voltage protection
- Charge protection
- Temperature protection
- Short-circut protection
- High-voltage protection
- Over-current protection
- Overload protection

Product Information

Product Parameter			
Product model	CON-BL60	CON-BL80	CON-BL100
Battery capacity	12.8V 60Ah 786Wh	12.8V 60Ah 786Wh	12.8V 60Ah 786Wh
Battery type	Lithium iron phosphate battery		
Protection system	Overcharge protection, over-discharge protection, over-current protection over-temperature protection, short-circuit protection, over-voltage protection		
DC output	12V 15A 2*USB		
Power indicator	Voltmeter indicator light		
Matching lighting equipment	12V 2W LED		
Input	Original charger or 50w solar panel (it is recommended to use original solar panel 50W*2)		
Product weight	10.2kg	12.4kg	14kg
Product size	31*36*9cm		
Product size	31*39*9cm (including terminal)		
Lighting system (optional)	2*5w LED bulbs (including 5m wire)		

1: Test conditions: 25 °C, 100 % depth of discharge (DOD), 1C charge& 1.5C discharge

2: Refer to battery warranty letter for conditional application

Iron Shell
DC Battery Bank

768Wh - 1280Wh DC Battery Bank

This series product has a waterproof plug and an anti-collision metal shell, and the inverter is built into the sub-power supply, which effectively saves product space and is more convenient to carry and store. It is widely used in fishing, cross-country, yurts and other travel.

In addition, the DC battery bank can also be equipped with an external inverter according to the customer's own needs, and has high flexibility.

WIDER RANGE OF USE

- Not only can be used as a separate battery system, but also can be used as accessories for new energy power generation systems. For example, the power supply system of various DC appliances such as photovoltaic refrigerators and photovoltaic small appliances.

FREE COMBINATION

- Customers can freely match inverters with different powers according to their own needs. In this way, if the customer needs to replace the inverter later, or the inverter is damaged, there is no need to dismantle the machine for maintenance, and the corresponding accessories can be directly replaced

EASY CUSTOMIZATION

- Customers can provide manufacturers with corresponding technical parameters according to their actual needs. The high flexibility and adaptability of this product can provide supporting services for different users

Energy Storage System

Product Paramete			
Model	CON-BL60A	CON-BL80A	CON-BL100A
Battery capacity	60Ah (786Wh)	80Ah (1024Wh)	100Ah (1280Wh)
Battery Voltage	12.8V	12.8V	12.8V
Battery type	lithium iron phosphate battery		
Protection system	overcharge protection, overdischarge protection, overcurrent protection, overtemperature protection, short-circuit protection, over voltage protection		
Power indicator	voltmeter indicator		
Input	100w Solar panel(recommended to use the original solar panel) or the original optional charger		
Product weight	10kg	12.8kg	15kg
Product volume	33.5*23*12cm	33.5*29.5*12cm	40*29.5*12cm
External inverter (optional)	300W	500W	700W

Inverter

Product Paramete			
Inverter type	Pure sine wave inverter		
Rated output power	300W	500W	700W
AC output voltage	220V		
AC output frequency	50Hz		
AC output plug	1*50Hz multifunctional plug		

Industrial

Energy Storage System

This series of products is specially designed for industrial new energy power generation and energy storage, and is mainly used in projects of "lithium batteries instead of lead-acid batteries", photovoltaic farm power generation and energy storage projects, comprehensive new energy power generation and energy storage, and signal tower base station projects.

Industry Energy storage system

BOX-type Cabinet

A single battery cabinet is composed of 8 battery packs connected in series, with a voltage of 409.6V. A single battery cabinet can support a 3-phase inverter. In addition, 1 to 16 battery cabinets can be directly connected in parallel, and the capacity of a single cabinet can reach 80 kWh to 114 kWh.

The flexible and diverse product combination of the industrial and commercial energy storage system can meet the different energy storage needs in the industrial and commercial fields. Support the use of mechanical equipment in large factories and commercial places.

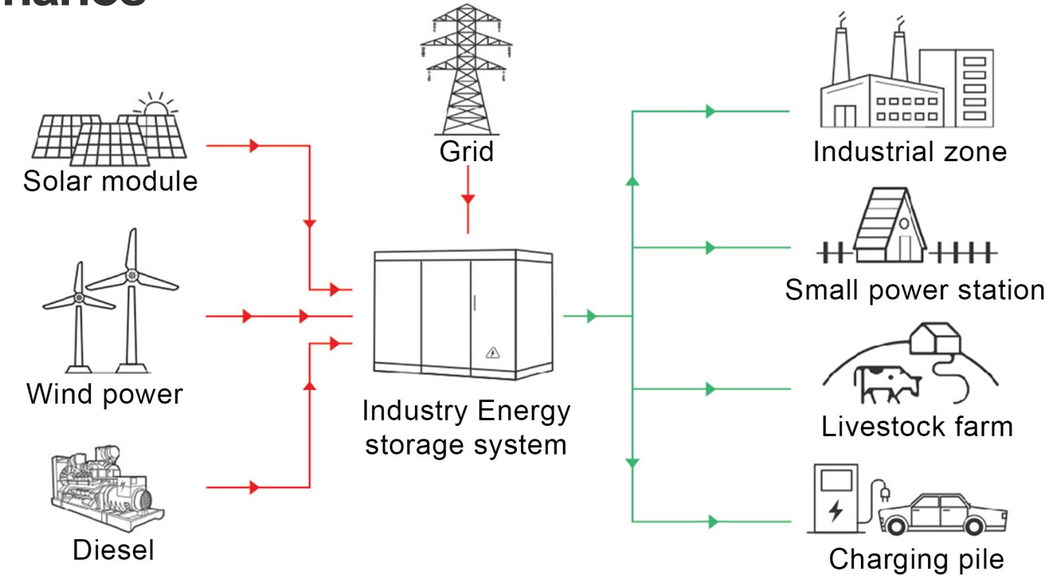
Automatic switching of two-way mode

- Automatically detect the operation of the system. When the battery is exhausted, it automatically switches to AC mains mode.
- Built-in timer, you can set the operating time of different working modes independently.

Multiple input modes

- Suitable for hybrid energy storage such as Solar, diesel, and wind power
- Off-grid energy storage

Application scenarios



Support the use of high-power mechanical equipment

1. The use of industry frequency inverter can support the use of high-power industrial and commercial equipment.
2. Strong overload capacity, can withstand the instantaneous high current release when large equipment is started.

Large-capacity grid energy storage system

1. Expandable energy storage solution.
2. Customized design based on customer requirements.
3. Applicable to large-capacity energy storage system occasions.

Parameters

Model	CIC20	CIC30	CIC40	CIC50	CIC60	CIC80	CIC100
Inverter parameters							
Inverter power	20KVA	30KVA	40KVA	50KVA	60KVA	80KVA	100KVA
Inverter type	Industry frequency inverter						
Phase	3 phase+N+G						
AC input range	380Vac ± 20%						
Frequency range	45Hz ~ 55Hz						
Output voltage	Battery mode：380Vac ± 3%；AC mode：380Vac ± 20%						
Frequency range (ACs mode)	45Hz ~ 55Hz						
Frequency range (Battery mode)	50Hz ± 0.1Hz						
Overload (AC mode)	AC mode (100% ~ 110%: 10 minutes; 110% ~ 130%: 1 minute; >130%: 1 second)						
Overload (Battery mode)	Battery mode (100% ~ 110%: 30 seconds; 110% ~ 130%: 10 seconds; >130%: 1 second)						
Current peak ratio	3：1 max						
Total harmonic distortion	Linear load <3%; non–linear load						
Balanced load voltage	< ± 1%						
Unbalanced load voltage	< ± 5%						
Switching time	<10ms						
Waveform	Pure sine wave inverter						
Maximum efficiency	85%						
Noise	<58dB (1m distance)						
Load monitoring	Yes						
PV input MPPT							
System voltage	384V						
Rated current	100A						
Charging method	MPPT automatic maximum power point tracking						
Dynamic response recovery time	⩽10s						
Static power consumption	⩽500us						
Overall efficiency	⩽2W						
Voltage range	⩾96.5%						
MPPT working voltage range	384V：DC450V–750V；						
Maximum PV input power	36kW						
Battery parameters							
Battery type	Lithium iron phosphate Battery(LiFePO4)						
Battery cabinet capacity	114.4kWh (Single battery cabinet)						
Battery nominal voltage	409.6V						
Working voltage range	320 ~ 467.2V						
Continuous output current	120A						
Peak output current	150A,1s						
Working temperature range	–10℃ ~ 50℃						
General data							
Model	CIC20	CIC30	CIC40	CIC50	CIC60	CIC80	CIC100
Working temperature range	0 ~ 40℃						
Working altitude	<95% and no condensation						
Working relative humidity	<1000m (power decreases by 1% for every 100m increase, up to 5000m)						
External communication	RS485 + CAN						
Grid regulation	Yes						
Safety supervision	Yes						
Waterproof device	Yes						
Surge protection device	Yes						
Protection level	IP65						
Protection	Input polarity reverse protection; output polarity reverse protection; high voltage protection; low voltage protection; short circuit protection; over temperature protection						
Cooling device	Air–cooled						
Fire protection device	Aerosol						
Application area	Off–grid (backup)						
Dimensions (L*W*H)	2437*1000*1824mm						
Weight (Kg)	1616.1	1676.1	1726.1	1776.1	1896.1	1976.1	2276.5

Replacement

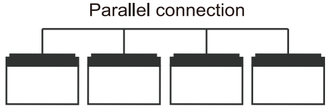
LiFePO4 to Lead-acid

LiFePO4 battery replaces lead-acid battery for series and parallel connection

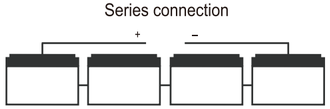
This product can directly replace traditional lead-acid batteries for series and parallel use. While retaining the characteristics of lead-acid batteries that can be freely connected and combined, it integrates the high discharge depth of lithium iron phosphate batteries.

Widely applicable to various lead-acid battery application environments, such as golf carts, electric low-speed vehicles, sightseeing vehicles, solar lamps, solar monitoring, etc.

Parallel connection

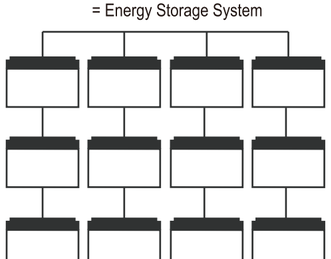


Series connection



Parallel + Series connection

= Energy Storage System



Energy Storage System

Product Parameter

Battery Type	Lithium iron phosphate Battery (LiFePO4)
Batttery Pack Capacity	1331 Wh
Cont. Ouput Current	100A
Max Outout Current	120A
Cont. Input Current	100A
Max. Input Current	120A
Bttery Pack Voltage	12.8V
Operating Voltage	10V~14.4V
Operating Temperature	-10°C~50°C
Enclosure Protection Rating	≥ 95%
Weight	10.5Kg
Dimensions (H/W/D)	212mm**330mm*175mm

1: Test conditions: 25 °C, 100 % depth of discharge (DOD), 1C charge& 1.5C discharge

Communication Base Station

Rack-mounted energy storage system

This product is designed for large-scale photovoltaic power generation, communication signal base stations, and large-scale factory backup power. With the self-developed management system, it can detect the operation status of the energy storage system in each location in real time.

The product supports customized services according to the application scenario and actual situation. You only need to provide the corresponding parameters, and we can provide the product. In addition, we can also provide the design of the overall plan.

CUSTOMIZATION

Design ▶ **Develop** ▶ **Create**

Design your product in the most cost effective way possible.

Develop your working prototype for mass production.

Manufacture your product to the quality and timeline you need.

Case Parameter

30KW/61.44kWh for base station

Application Picture	 
Battery Type	Lithium iron phosphate Battery (LiFePO4)
Batttery Pack Capacity	3.2V 100Ah
Cont. Ouput Current	250A
System Rate Voltage	614.4 Vdc
System Working Voltage	480V~700.8 Vdc
Charging /Discharging Rate	≤ 0.5C
DOD	90%
Temperature Control	Industrial Air Conditional
Operating Temperature	-20°C ~ +55°C
Protection Level	IP54
Communication	RS 485 / RJ485
Fire Protection	Aerosol
Weight	1t
Size	1300mm * 820mm * 2300mm

Wall-mounted
Rack-mounted
Energy storage system

51.2V Energy Storage Pack

Safety

More the 5+protection system

Optimal Electricity Cost

Long cycle life & excellent performance

Compact Design (3U in Height)

Module design

Easy Installation & Scale Up

Multiple to be parallel setting on software

Hight Compatibility

Compatible with most of brands inverter

SAFETY

- Excellent high temperature performance
- Use lithium iron phosphate battery, high safety performance

CONVERSION EFFICIENCY

- High energy density and conversion efficiency
- Multiple devices can be set in parallel

CYCLE LIFE

- Excellent performance, module design
- Long cycle life, up to 6000 times of use

BMS BATTERY MANAGEMENT SYSTEM

- Adopt high-performance BMS battery management system
- Compatible with most brands of inverters

RACK-MOUNTED

Rack-mounted energy storage batteries can be used for industrialenergy storage, can be used with inverters of different specifications,can also be used with UPS or PCS, can be used as a backup powersupply, can be started immediately when the city power is interruptedprovide continuous power supply, ensure the normal operation of thedata center, help enterprises reduce electricity costs and improvepower quality.

WALL-MOUNTED

Wall-mounted energy storage batteries can be used for home energystorage, and can support inverters of various specifications. It can beused as a home emergency power supply. When the city power is cutoff, it can provide emergency power to ensure the continuity of homeelectricity use.

Parallel connection

If the power stored in a single battery pack is limited and cannot meet the power demand, the system can be expanded by connecting multiple low-voltage energy storage batteries in parallel, supporting up to 8 batteries in parallel to meet large power consumption requirements.

Wide compatibility

Compatible with most hybrid inverters, the application scenarios are not limited to home energy storage, but also widely used in communication base stations, UPS, computer rooms and other scenarios.

Customization

Design and customize products according to different customer needs and local infrastructure construction to meet customer needs to the greatest extent.

Product Parameter

Miodei	NP51100A1 Pover Lite
Cell Type	LiFePO4
Net Weight	43kg
Dimension(LengthxwidthxHeight)	440*530*132mm
Waterproof Rate	IP20
Calendar Life	10 years
Nominal Current(Recommended)	50A(0.5C)
Nominal Energy	5.12kWh
Discharge Depth	90%
Nominal Voltage	51.2V
Working Voltage Range	48V-57.6V
Designed Life-span	6000 Cycles
Max Continuous Discharging Current (Cell)	100A(1C)
Working Temperature Range	0℃~50℃
Communication Protocol	CAN/RS485/RS232 / Dry Contact
Certificate	TUV/IEC 62619/I=CE-IEC 61000 IEC 62040/UN38.3

1: Test conditions: 25 °C, 100 % depth of discharge (DOD), 0.5C charge& 1C discharge

2: Refer to battery warranty letter for conditional application

Product Parameter

Nominal Voltage	51.2V(16S)
Nominal Capacity	100Ah/200Ah
Working Voltage Range	37.5V~54.7V (16S)
Working Current Range	40V~58.4V (16S)
Standard Charging Current	0.5C
Maximum Charging Current	1C
Standard Discharging Current	0.5C
Maximum Discharging Current	1C
Maximum Cut-off Voltage for Charging	58.4V(16S)
End-off Current	0.05C
End-off Voltage	40V(16S)
PACK Cycle Life	6000 times ≥80% primarycapacity (25°C±2°C 0.2C charge/0.2Cdischarge)
Battery System Shell Material	Black Q235
Design Life	10 years
Parallel Function	A maximum of 64 batteries can beconnected in parallel
Charging Current limitted Function	10A 15A 20A
Communication Mode	RS232, RS485, CAN
Working Temperature(°C)	Charge 0~ 55°c, Discharge-20~+60°C
Storage Temperature(°C)	Recommended temperature0~+30°C

1: Test conditions: 25 °C, 100 % depth of discharge (DOD), 0.5C charge& 1C discharge

2: Refer to battery warranty letter for conditional application

Be Partner

Let’s concentrate power

The CO-Partner program is an optional program for distributors and installers who want to join CONCENPOWER. If you want to participate in CONCENPOWER more, or want to get rewards from installing CONCENPOWER, you can contact us.

Want to join the CONCENPOWER family? Join now! !

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