

BENHOO

ENERGY STORAGE LITHIUM BATTERY SOLUTION



COMPANY PROFILE



Our Results

30

GWh/per year

BAK battery total production capacity

5

Top

Annual power battery installation capacity ranking

2

NO.

NCM power battery installed capacity ranking

2

NO.

Power Battery Installed Capacity Ranking

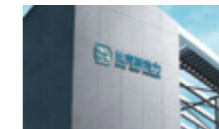
Our Story



Energy storage battery factory is under construction in Huizhou city, Guangdong Province



Anhui BAK New Power was registered successfully. In the June, it went into operation.



Zhengzhou BAK New Power was registered successfully. In the next February, the first dealer was signed.



Installed capacity of BAK cylindrical battery ranked No. 1 in China. Accumulated installed capacity was more than 170,000 units.

BAK New Power Technology Co.,Ltd. is a subsidiary of BAK Battery Group. Established in 2019, BAK New Power is a high quality lithium battery provider. We mainly produce residential energy storage batteries, commercial and industrial energy storage batteries and energy storage systems.

On the other hand, we have produced a lot of high quality lithium batteries for electric bikes, motorcycles, tricycles and low speed electric vehicles. Moreover, we provide customized battery energy solutions for different appliances with our professional engineer team.

With high speed development these years and strong support from BAK Battery Group, BAK New Power has become a leading provider of lithium batteries. Cutting-edge automatic production line, high quality battery materials, professional research and development team, skilled workers, all these key elements help us to obtain praise and recognition from customers. BAK New Power will build a sustainable future together with you!



2022



In Taipei Int'l Flora Expo, the Luxgen equipped with BAK battery became the first batch of new energy passenger car in China.

2021



Zhengzhou BAK established and operated in the next year.

2019



BAK assisted to launch Trailblazer 1 satellite. BAK set foot in energy storage business. Power battery pack broke through 10,000 sets in one year. 2.75Ah power battery started to mass production.

2018



Productivity of power battery reached to 2.9 GWh with leading development of NMC market in China. Quantity of new energy vehicle equipped with BAK battery was more than 50,000 units with Rank 1 in China

2010



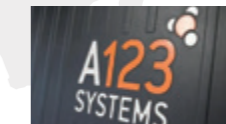
Authorized by Dell and HP

2013



Build the first 18650 automatic production line in China.

2015



The first manufacturer realized industrialization of LFP power battery in the world, cooperated with A123, U.S.

2016



BAK established

2009

2006

2005

2001



We offer cylindrical cells like 18650, 26650, 21700, 26700 and 32140, with diversified capacity levels and discharge rates, applicable for power tool, E-mobility, consumer electronics, medical and ESS products etc.

NCM Cylindrical Cell

Model	N18650CNP	N18650CH	N18650CL-29	N18650CP	N21700CGP	N21700CG-50	
Nominal Capacity(mAh)	2500	2600	2900	3350	4000	5000	
Nominal Voltage(V)	3.6	3.6	3.6	3.6	3.6	3.6	
Dimension(mm)	Height: ≤ 65.1 Diameter: ≤ 18.55	Height: ≤ 65.1 Diameter: ≤ 18.55	Height: 64.85±0.25 Diameter: 18.35±0.15	Height: ≤ 65.1 Diameter: ≤ 18.55	Height: ≤ 21.3 Diameter: ≤ 70.3	Height: ≤ 21.4 Diameter: ≤ 70.75	
Weight(g)	≤ 48g	≤ 47g	≤ 48g	≤ 49g	≤ 70g	≤ 70g	
Internal Resistance(mΩ) (AC Impedance, 1000 Hz)	≤ 16 mΩ	≤ 30 mΩ	≤ 35 mΩ	≤ 35 mΩ	≤ 12 mΩ	≤ 30 mΩ	
Charge	Standard	0.5C					
	Max. (25°C, not for cycle life)	4A	1C	1C	1C	6A	1C
	End Voltage(V)	4.2V (Cycles are not guaranteed when > 4.2V)					
Discharge	Standard	0.2C					
	Max. (25°C, not for cycle life)	30A	3C	3C	3C	40A	3C
	End Voltage(V)	2.5	2.75	2.5	2.5	2.5	2.5
Temperature	Charge	0 ~ 50°C					
	Discharge	-20 ~ 75°C	-20 ~ 60°C	-20 ~ 60°C	-20 ~ 60°C	-20 ~ 30°C	-20 ~ 60°C
Cycle Life(Cell specifications stipulate room temperature)	≥300cycles (4A_CHG/20A_DSG) 70% SOH	≥1000cycles (0.5C_CHG/1C_DSG) 80% SOH	≥1000cycles (0.5C_CHG/1C_DSG) 80% SOH	≥800cycles (0.5C_CHG/1C_DSG/2.75V) 80% SOH	≥250cycles (6A_CHG/35A_DSG) 60% SOH	≥800cycles (0.5C_CHG/1C_DSG/2.75V) 80% SOH	

LiFePO4 Cylindrical Cell

Model	26650PFS	26650FS3	26700FB2	32140FB	32140FS	
Nominal Capacity(mAh)	3000	3600	4500	12800	15000	
Nominal Voltage(V)	3.2	3.2	3.2	3.2	3.2	
Dimension(mm)	Height: 65.3±0.2 Diameter: 26.2±0.3	Height: 65.3±0.2 Diameter: 26.2±0.3	Height: 70.3±0.2 Diameter: 26.2±0.3	Height: 140±0.3 Diameter: 33.2±0.2	Height: 140±0.3 Diameter: 33.2±0.2	
Weight(g)	88±3.0g	85±3.0g	90±3.0g	280±10.0g	295±10.0g	
Internal Resistance(mΩ) (AC Impedance, 1000 Hz)	≤ 10 mΩ	≤ 20 mΩ	≤ 20 mΩ	1.0~3.0 mΩ	1.0~3.0 mΩ	
Charge	Standard	1C				
	Max. (25°C, not for cycle life)	3C 45°C≥T≥20°C	1.5C 45°C≥T≥20°C	1C 45°C≥T≥20°C	1C 45°C≥T≥20°C	
	End Voltage(V)	3.6V (Cycles are not guaranteed when > 3.6V)				3.65V (Cycles are not guaranteed when > 3.65V)
Discharge	Standard	0.5C				
	Max. (25°C, not for cycle life)	3C	3C	3C	2C/6C(10S) (45°C≥T≥15°C)	2C/6C(10S) (45°C≥T≥15°C)
	End Voltage(V)	2.0	2.0	2.0	2.5	2.0
Temperature	Charge	0 ~ 50°C	0 ~ 50°C	0 ~ 55°C	-10 ~ 60°C	0 ~ 60°C
	Discharge	-20 ~ 60°C	-20 ~ 60°C	-20 ~ 60°C	-30 ~ 60°C	-30 ~ 60°C
Cycle Life(Cell specifications stipulate room temperature)	≥1500cycles (1C_CHG/3C_DSG) 80% SOH	≥3000cycles (0.5C_CHG/0.5C_DSG) 80% SOH	≥1500cycles (0.5C_CHG/0.5C_DSG) 80% SOH	≥2000cycles (0.5C_CHG/0.5C_DSG) 80% SOH	≥2500cycles (0.5C_CHG/0.5C_DSG) 80% SOH	



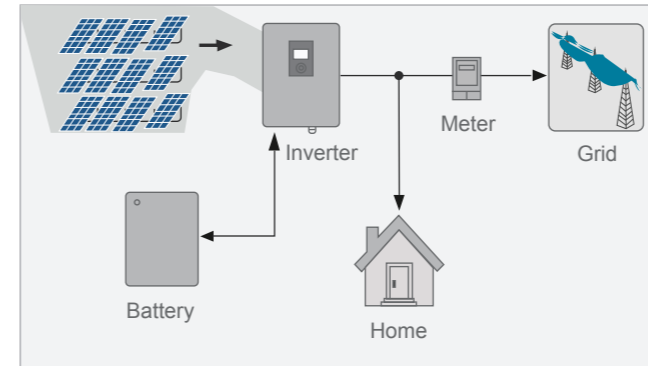
Featuring high energy density, our prismatic and pouch batteries are mainly used on medical products, EV and ESS etc.

Sodium-ion Cylindrical Cell

Model	32140NS	
Nominal Capacity(Ah)	10	
Nominal Voltage(V)	3.0	
Dimension(mm)	Height: 140±0.3 mm Diameter: 33.2±0.2 mm	
Weight(g)	267±10g	
Internal Resistance(mΩ) (AC Impedance, 1000 Hz)	1.0 mΩ≤IR≤4.0 mΩ	
Charge	Standard	0.5C CC/CV, cut off 3.95V/0.05C
	Max. (25°C, not for cycle life)	2C
	End Voltage(V)	3.95V
Discharge	Standard	1.5V (T>0°C) / 1.2V (T≤0°C)
	Max. (25°C, not for cycle life)	3C continuous, 10C for 10 seconds
	End Voltage(V)	2.5V (>0°C), 2.0V (≤0°C)
Temperature	Charge	-10~65°C
	Discharge	-40~65°C
Cycle Life(Cell specifications stipulate room temperature)	≥1000 Cycles (0.5C/0.5C, 80% SOH)	

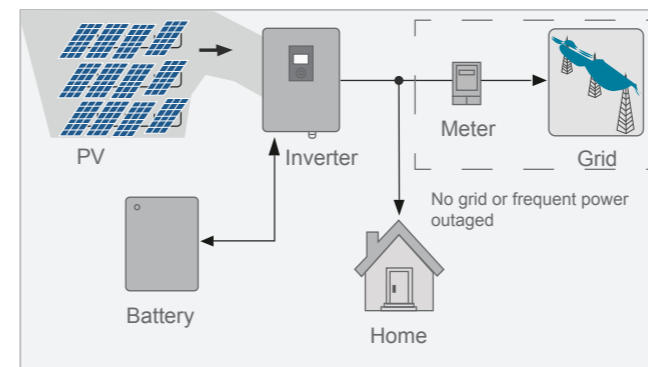
LiFePO4 Prismatic Cell

Model	BAKCBK100	BAKCCBL150	
Nominal Capacity(Ah)	100	150	
Nominal Voltage(V)	3.2	3.2	
Dimension(mm)(L*D*H)	(220.3±0.3)*(40.5±0.5)*(117.2±0.4)	(220.3±0.3)*(60.5±0.5)*(117.5±0.4)	
Weight(g)	2080±100	3050±100	
Internal Resistance(mΩ) (AC Impedance, 1000 Hz)	≤0.6mΩ	≤0.6mΩ	
Charge	Standard	0.5C	
	Max. (25°C, not for cycle life)	150A(Continuous) / 300A(50%SOC, 10s)	225A(Continuous) / 400A(50%SOC, 10s)
	End Voltage(V)	3.65V (Cycles are not guaranteed when > 3.65V)	
Discharge	Standard	0.5C	
	Max. (25°C, not for cycle life)	200A(Continuous) / 300A(50%SOC, 10s)	300A(Continuous) / 400A(50%SOC, 10s)
	End Voltage(V)	2.5V (>0°C), 2.0V (≤0°C)	
Temperature	Charge	0 ~ 55°C	
	Discharge	-20 ~ +60°C	
Cycle Life(Cell specifications stipulate room temperature)	≥6000 cycles (0.5C CHG/0.5C DSG) 80% SOH		



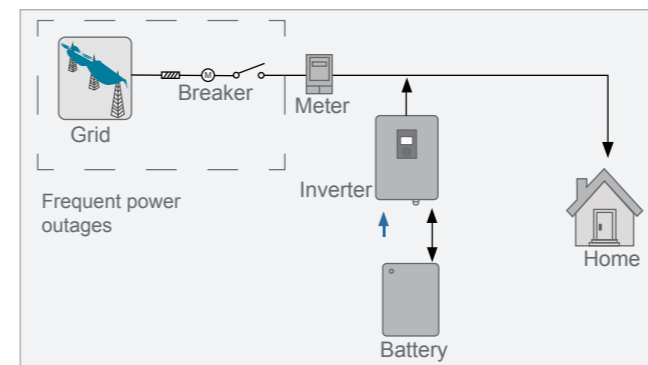
On-grid photovoltaic energy storage system

In many countries and regions where electricity is very expensive many people are choosing photovoltaic energy storage system. In this system, when the inverter detects that the photovoltaic power is greater than the load power, it will charge the battery until it is full. When it is detected that the load power rate is greater than the photovoltaic power generation, the battery will discharge to support the load. As the electricity prices in many regions are divided into peaks and valleys, the system can set the time of discharge to ensure that the electricity price is the lowest. The default time is from 0 to 24.



Off-grid photovoltaic energy storage system

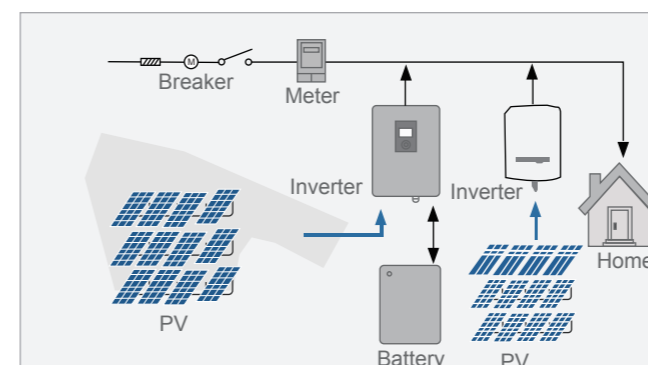
In this scenario, the system provides all the electricity for household appliances and is suitable for areas with no electricity or very unstable electricity. Most of the power comes from the photovoltaic system. The output power of the photovoltaic system first meets the needs of the electrical equipment, and the rest is stored in the battery system. The battery system provides energy at night or when the photovoltaic power generation system is insufficient.



Back-up energy storage system

The power supply in some areas is unstable and prone to power interrupt, which results in the failure of household electrical appliances to work well. For example, the refrigerator cannot keep fresh after power failure, resulting in food corruption. The photovoltaic system can't be installed around the home. This system can use the grid power to charge the battery system and automatically supply power to important

household appliances when the grid is blackout.



On-grid photovoltaic energy storage system

With the expiration of the early subsidy policy, feed-grid power generation can no longer bring more benefits, so increasing the self-utilization rate of photovoltaic energy

will be an ideal choice. This system is compatible with any existing photovoltaic system transformation to upgrade it into photovoltaic energy storage system.

Battery Module



51.2V 100Ah rack battery module is with high energy density and high quality.

It can be used to support various equipment and systems, including residential ESS, telecom base, commercial energy, UPS, etc.

- Long cycle life energy storage battery (6000 + times)
- 19-inch 3U size, support wall-mounted & stacked installation
- Automatic production line, with stable and reliable quality
- Intelligent BMS
- Support Max. 75 pcs in parallel

Compatible with most of the well-known inverters on the market

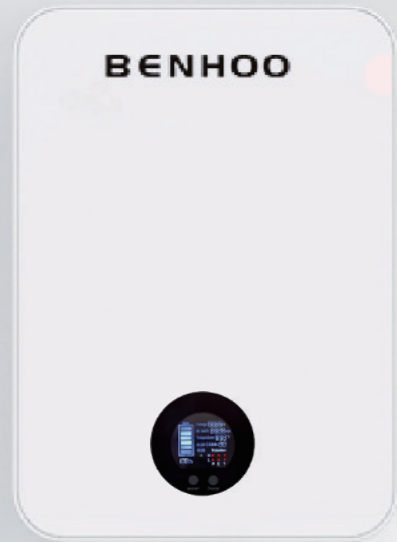


Product Parameters

Model	BNP-5120BM
Battery material	LiFePO4
Nominal Capacity(Ah)	100Ah
Nominal Voltage(V)	51.2V dc
Nominal Energy(Wh)	5120Wh
Charge Voltage(V)	57.6Vdc
Discharge Voltage(V)	44.8Vdc~57.6Vdc
Standard Charge Current (A)	20A
Max. Charge Current(A)	50A
Max. Charge power(KW)	2560W
Standard Discharge Current(A)	50A
Standard Discharge power(W)	2560W
Max. Discharge Current(A)	100A
Max. Discharge power(W)	5120W
Communication	RS485, CAN
Working Temperature	0~50°C(Charge) -20~60°C(Discharge)
Storage Temperature	The recommended storage temperature is 20~30°C, battery life would be reduced if battery is stored in high temperature. If it's stored for a long time, charge and discharge the battery once every 6 months and keep 40%-50% SOC.
Relative humidity	5~90% RH
Max. Operating Altitude	<2000m
Enclosure Protection Rating	IP20
Weight	50KG
Dimension	585*438*132mm(L*W*H)
Design life	10 years
Cycle Life	6000 + Cycles@80% DOD/25°C/0.5C,70% EOL
Certification	UN38.3, IEC 62619:2017, CE, FCC, RoHS,REACH

Product Parameters

Model	BNP-5120BW
Battery material	LiFePO4
Nominal Capacity(Ah)	100Ah
Nominal Voltage(V)	51.2V dc
Nominal Energy(Wh)	5120Wh
Charge Voltage(V)	57.6Vdc
Discharge Voltage(V)	44.8Vdc~57.6Vdc
Standard Charge Current (A)	20A
Max. Charge Current(A)	50A
Max. Charge power(KW)	2560W
Standard Discharge Current(A)	50A
Standard Discharge power(W)	2560W
Max. Discharge Current(A)	100A
Max. Discharge power(W)	5120W
Communication	RS485, CAN
Working Temperature	0~50°C(Charge) -20~60°C(Discharge)
Storage Temperature	The recommended storage temperature is 20~30°C, battery life would be reduced if battery is stored in high temperature. If it's stored for a long time, charge and discharge the battery once every 6 months and keep 40%-50% SOC.
Relative humidity	5~90% RH
Max. Operating Altitude	<2000m
Enclosure Protection Rating	IP65
Weight	50KG
Dimension	620*460*135mm(L*W*H)
Design life	10 years
Cycle Life	6000 + Cycles@80% DOD/25°C/0.5C,70% EOL
Certification	UN38.3, IEC 62619:2017, CE, FCC, RoHS, REACH

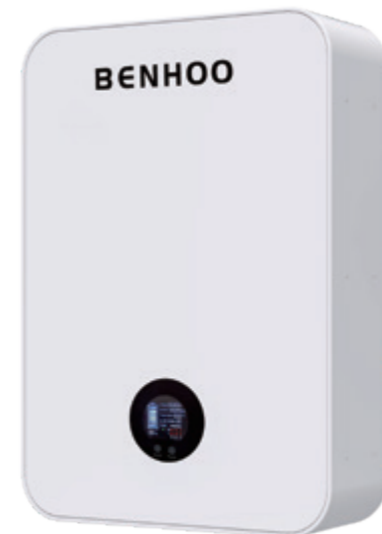


Wall-mounted ESS



5120Wh wall-mounted solar energy battery is with elegant and stylish design, can be used for home solar energy storage system.

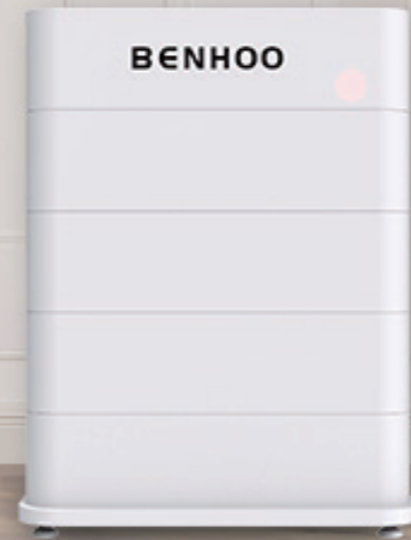
- Long cycle life energy storage battery (6000 + times)
- Wall-mounted simple installation, save space and cost
- Automatic production line, with stable and reliable quality
- Intelligent BMS
- Support Max. 75 pcs in parallel



Compatible with most of the well-known inverters on the market



LV 5KWh-20KWh ESS



BAK LiFePO4 stacked ESS is with modular design, elegant and stylish appearance, fit for household energy backup. It has a perfect battery protection system, and support customization. It is compatible with inverters of different brands.

- Long cycle life energy storage battery (6000 + times)
- Stacked installation is simple, saving space and cost
- Automatic production line, with stable and reliable quality
- Intelligent BMS
- Support MAX. 10 systems in parallel



Compatible with most of the well-known inverters on the market



Product Parameters

Model	BNP_51.2V100Ah	BNP_51.2V200Ah	BNP_51.2V300Ah	BNP_51.2V400Ah
Battery Type	LiFePO4			
Battery Modular QTY(PCS)	51.2V100Ah*1	51.2V100Ah*2	51.2V100Ah*3	51.2V100Ah*4
Nominal Energy (KWh)	5.12KWh	10.24KWh	15.36KWh	20.48KWh
Nominal Voltage (V)	51.2V			
Charge Voltage(V)	57.6V			
Discharge voltage range(V)	44.8~57.6Vdc			
Standard Charge Current(A)	20A	40A	60A	80A
Max.Charge Current(A)	50A	100A	150A	200A
Max.Charge power(KW)	2.5KW	5KW	7.5KW	10KW
Standard Discharge Current(A)	50A	100A	150A	200A
Max. Discharge Current(A)	100A	200A	200A	200A
Max. Discharge power(KW)	5KW	10KW	10KW	10KW
Communication	RS485, CAN			
Working Temperature	0~50°C(Charge)-20~60°C(Discharge)			
Storage Temperature	0°C~35°C			
Humidity	5~90%RH (no condensation)			
Max. Operating Altitude	<2000m			
Enclosure Protection Rating	IP20			
About weight	95Kg	155Kg	220Kg	285Kg
Dimension	820*540*496mm (L*W*H)	820*540*652mm (L*W*H)	820*540*808mm (L*W*H)	820*540*964mm (L*W*H)
Cycle Life	6000+ Cycles@80% DOD/25°C/0.5C,70% EOL			
Design life	10 years			
Certification	UN38.3, IEC 62619, CE, FCC, RoHS, REACH			

All-In-One ESS BNP-LV-AIO



This is an ALL-In-One solution which makes single-phase on-grid&off-grid integrated inverter and low voltage ESS within a system. It provides users with a simple, easy-to-use storage solution for their energy, only minimum installation is required.

- **Inverter:** Built-in single phase on-grid&off-grid integrated inverter options.
- **Extensibility:** Module design, extensible storage 5.12KWH or 10.24KWH.
- **Installation:** Floor-standing, plug and play, less commission.
- **Waterproof:** whole system IP20 indoor available, inverter IP65
- **Communication:** CAN/RS485/DRM, Wifi/LAN optional, remote monitoring
- **Warranty:** 5 years product warranty, 10 years design life.



Product Features

- **Safe & Reliable**

The inverter has passed IEC/EN62109-1/-2, IEC/EN62477-1, South Africa NRS097-2-1:2017, IEC/EN 61000-6-1, IEC/EN 61000-6-3 test certification

- **Economical & Practical:**

Support intelligent EMS management function;
Support on/off-grid automatic switching function to ensure uninterrupted power when important loads are off-grid

Product Parameters

Model		BNP-LV-AIO-5KW 5KWh	BNP-LV-AIO-5KW 10KWh
PV Input	Max. Recommended DC Power[W]	7000	7000
	Max. DC Voltage[V]	550	550
	MPPT Voltage Range[V]	125-500	125-500
	Max. Input Current of single MPPT[A]	14	14
	No. of MPP Trackers	2	2
	Strings Per MPP Tracker	1	1
AC Output	Nominal AC Power[VA]	5000	5000
	Rated Grid Voltage(Range)[V]	230 (176 to 270)	230 (176 to 270)
	Rated Grid Frequency[Hz]	50/60	50/60
	Max.AC Current[A]	21.7	21.7
	Displacement Power Factor	0.99 Leading. 0.99 Lagging	0.99 Leading. 0.99 Lagging
	Total Harmonic Distortion(THDI)	< 2%	< 2%
	AC Output topology	L+N+PE	L+N+PE
AC Input	Nominal AC Power[VA]	5000	5000
	Rated Grid Voltage(Range)[V]	230 (176 to 270)	230 (176 to 270)
	Rated Grid Frequency[Hz]	50/60	50/60
	Normal AC Current[A]	21.7	21.7
	Max.AC Current[A]	21.7	21.7
	Displacement Power Factor	0.99 Leading. 0.99 Lagging	0.99 Leading. 0.99 Lagging
	AC Inrush Current	35	35
EPS Output	EPS Rated Power[VA]	5000	5000
	Max. EPS Power[VA]	5000	5000
	EPS Rated Voltage, Frequency	230VAC, 50/60Hz	230VAC, 50/60Hz
	EPS Rated Current[A]	21.7	21.7
	Switch Time[s]	<20ms	<20ms
	Total Harmonic Distortion(THDv)	<2%	<2%
	Parallel Operation	Yes	Yes
	Compatible With the Generator	Yes(signal provided only)	Yes(signal provided only)
Battery Parameter	Battery Type	Lithium Battery	Lithium Battery
	Battery Voltage Range[V]	44-58	44-58
	Recommended Battery Voltage[V]	51.2	51.2
	Cut Off Voltage[V]	44.8	44.8
	Max. Charging Voltage[V]	58	58
	Max. Protective Voltage[V]	59	59
	Max. Charge/Discharge Current[A]	95/110	95/110
	Peak Charge/Discharge Current[A]	95/110	95/110
	Nominal Energy(Kwh)	5.12	10.24
	Communication Interfaces	CAN/RS485/Wifi/LAN/DRM	CAN/RS485/Wifi/LAN/DRM
	Reverse Connect Protection	Yes	Yes
Efficiency	MPPT Efficiency	99.90%	99.90%
	Euro Efficiency	97%	97%
	DC Max. Efficiency	97.60%	97.60%
	Max. Battery Charge/discharge Efficiency	95%	95%
Other	Dimension(L*W*H)[mm]	580*350*1512	580*350*1512
	Weight[KG]	95	135
	Enclosure Protection Rating	IP20	IP20
	Working Temperature	0~50°C(Charge), -20~60°C(Discharge)	
	Storage Temperature	0°C~35°C	
	Storage humidity	5~90%RH (no condensation)	
	Max. Operating Altitude	<2000m	
	Cycle Life	6000+ Cycles @80% DOD/25°C/0.5C,70% EOL	
	Design life	10+ years	
	Battery Certification	UN38.3, IEC 62619, CE, FCC	



Product Parameters

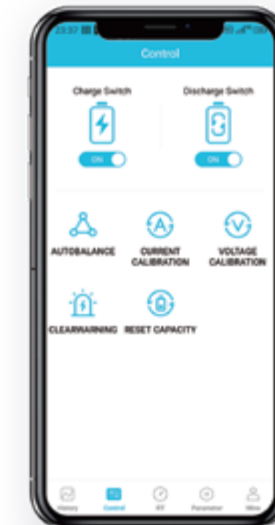
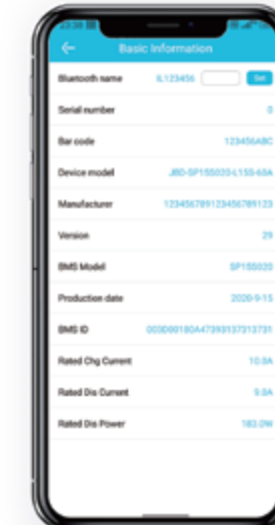
Model	BNP-RVT12100	BNP-RVT12200	BNP-RVT12300
Battery Type	LiFePO4	LiFePO4	LiFePO4
Battery Capacity	100Ah/1280Wh	200Ah/2560Wh	300Ah/3840Wh
Nominal Voltage	12.8V	12.8V	12.8V
Standard Charging Current	20A	50A	50A
Standard Discharging Current	50A	50A	50A
Max Continuous Charging Current	100A	100A	200A
Max Continuous Discharging Current	100A	200A	200A
Charging Voltage (V)	14.4V	14.4V	14.4V
Battery Cycle	>6000	>6000	>6000
Housing material	Plastic	Plastic	Plastic
Product Size(L*W*H)	330*172*216mm	522*239*218mm	640*245*220mm
Net Weight	11KG	22KG	31KG
Operating Temperature	-20°C~60°C	-20°C~60°C	-20°C~60°C
Bluetooth function	Optional		
Customizable according to customer needs			

Product Advantage

- **Component:** Best A-grade cells, Intelligent built-in BMS
- **Module:** 7Ah to 300Ah, with 12V/24V variants
- **Extensibility:** 4 pcs in series or 6 pcs in parallel
- **Cycle life:** 6000+ times 80% DOD
- **Size:** Drop-in replacing for lead acid battery
- **Waterproof:** IP65~IP68 available
- **Reliability:** Internal heating subzero available(optional)
- **Communication:** Bluetooth, Real-time APP monitoring(optional)
- **Warranty:** 5 years product warranty, 10 years design life
- **Certificates:** UL1642, CE, IEC62619, UL1973, UN38.3, MSDS



Application





Portable Power Station

BNP power supply series most versatile sized power station is big enough to power medium to large appliances and portable enough to pack in the car and go with you anywhere.

Upgraded to include bidirectional inverting system, increased solar charging efficiency, and faster recharge times. It can power phones, laptops, camera equipment, portable fridges, medical devices, TV's, and more. It is safe, clean, portable power for camping, tailgating, off-grid events, workshops, and emergency power during an outage.

- Applicable for Outdoor working/ RV camping / Emergency power/ Home backup power
- LiFePO4 battery, high safety
- AC/ DC function, multiple output ports
- Fast charging, UPS function



Product Parameters

		BNP1500
Basic information	Capacity	1536Wh
	Output power	1500W
	Surge power	1800W
Input	AC	800W
	Anderson(DC)	800W
	DC 6330	800W
Output	AC	2*220V50HZ/110V60HZ Pure sine wave
	Cigarette lighter	1*24V10A
	Cigarette lighter	1*12V 10A
	DC5521	2* 12V 5A
	USB-A	1*12W
	USB-QC3.0	1*18W
	Type-C	1*60W
	LED	1*9W
	Wireless charging	optional
Other Specifications	Switches	Power switch
		AC output switch
		DC input switch
		LED switch
	Bluetooth APP	Yes
On and off-grid switching time	<10ms	
LED display	Indicator icons, power percentage, charging and discharging power, time and status, etc.	
Package	Portable power station, AC cable, manual and warranty card, car charging cable(optional), solar charging cable (optional) .	

Commercial&Industrial ESS

This energy storage system is a distributed energy storage power source for industries and commerce. The system uses intelligent software to automatically calculate the power generation and power consumption, and the excess power will be automatically stored in the lithium-ion battery pack. The system has the features of high capacity, long life and high safety.



- High integration, careful control logic
- Wide voltage input range
- Standardization, modular, systematic design concept
- Three level BMS protection
- Background energy management, Remote monitoring of running data
- Multi-scenario application in modes such as peak shaving and valley filling and backup



Product Parameters

Item	Value
C&I battery cabinet parameters	
Cabinet Dimensions	1100x820x2160mm
Norminal capacity	280Ah
Norminal voltage	665.6V
Standard charge rate	0.3C/25°C
Maximum continuous discharge rate	0.4C/25°C
Energy	186KWh
Operating voltage range	624V-748.8V
Single cluster configuration information	
Battery pack	51.2V280Ah (13 strings)
Slave BMU	16S
High voltage control box	208 string high voltage control
Cabinet	box containing BMU(1pc)
Fire protection system	FGS-XR1000E chemical fire-protection system
Connection cables and communication cables	1 set
PCS parameters(PWS1-50K)	
AC parameter	
AC access mode	3 phases 4 ables
Rated AC power	50KVA
AC overload voltage	50KVA
Allowable grid voltage	380/400(-15%-15%)Vac
Allowed grid frequency	50/60 (-2.5-25) H2
DC parameters	
Allowed grid frequency	55KW
DC voltage range	500-850Vdc
Maximum DC current	110A
Voltage regulation accuracy	≤+1%