

NOVACELL



NOVAPOWER

新 能 源 储 能 电 池 画 册

Nova Energy Storage Battery Catalog

SHENZHEN NOVA ENERGY CO.,LTD.

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About Us关于我们



Shenzhen NOVA Energy Co., Ltd., a subsidiary of NOVA Energy Group, is a high-tech enterprise specializing in the R&D, production, and sales of LiFePO₄ batteries, lithium-ion batteries, solar batteries, electric vehicle batteries, sodium-ion batteries and solar power systems.

Over the years, NOVA has been dedicated to battery R&D and manufacturing, operating a 30,000 m² production facility with a professional quality control system. Backed by a team of 600 skilled workers and 60 senior engineers, we deliver custom-tailored power solutions, with an automated daily capacity of 60,000 cells and 20,000 battery packs. We also have dedicated teams focusing on product development & design, as well as quality inspection. We have also upgraded our production and testing systems with advanced automated machinery and precision instruments, including mixing, coating, pressing, slicing, injection, grading and laser welding equipment, as well as testers for battery cycle life and BMS performance. We have established a modern production management system in strict compliance with ISO 9001 and ISO 14001 standards. Our patented products have obtained certifications including CE, RoHS, IEC 62133, BIS, KC, PSE, CB, UL, UN 38.3 and MSDS.

Guided by our core spirit of "Sincere Collaboration, Bold Innovation, and Pursuit of Excellence", we uphold the management philosophy of "Market-Driven, Customer-Centric, People-Oriented" to consistently exceed customer expectations. Our mission is to make endless innovative green energy universally accessible to all.

Professional, R&D



我们坚持以客户需求为导向的产品开发与创新理念，与天津大学、中南大学展开合作，不断创新，为全球用户提供高质量、高性价比的产品与服务。

With the concept of product developing and innovating that based on customers need, We cooperate with TianJin University & Central South University to supply the global users with high quality products and service.



我们积极与充电电池行业的主要原材供应商合作，建立了先进的材料测试实验室。

We cooperate with the main materials suppliers of rechargeable batteries, established advanced material testing labs.



通过与高校、实力供应商的技术交流，以使我们的新产品、新技术层出不穷，保持着卓越的竞争力。

By the technical cooperation with the famous Universities and competent suppliers, products achieve huge progress and keep the competitiveness of excellence.

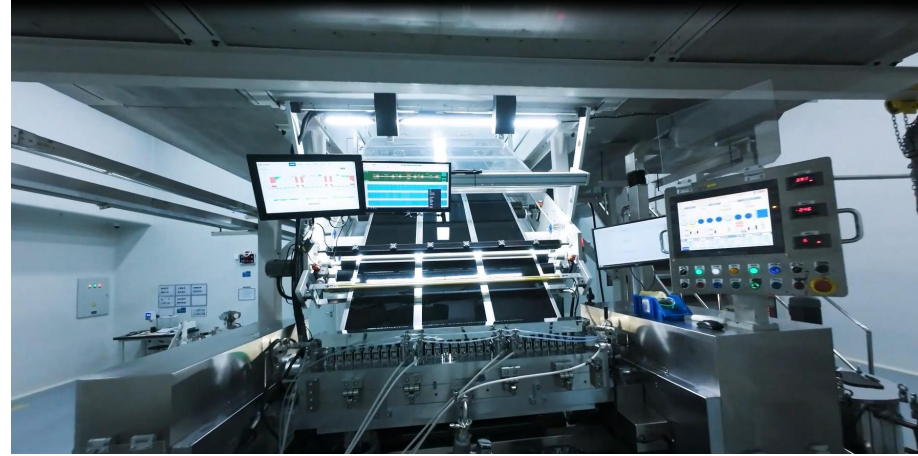
Enterprise Honor



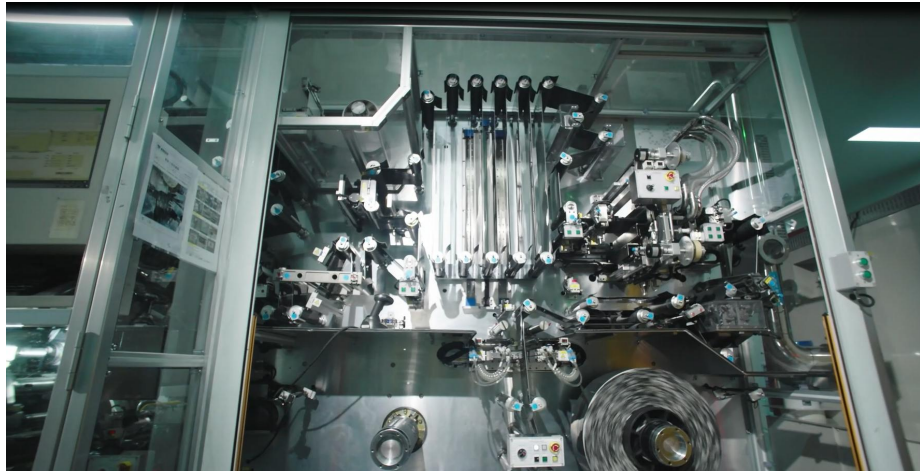
Production Facility



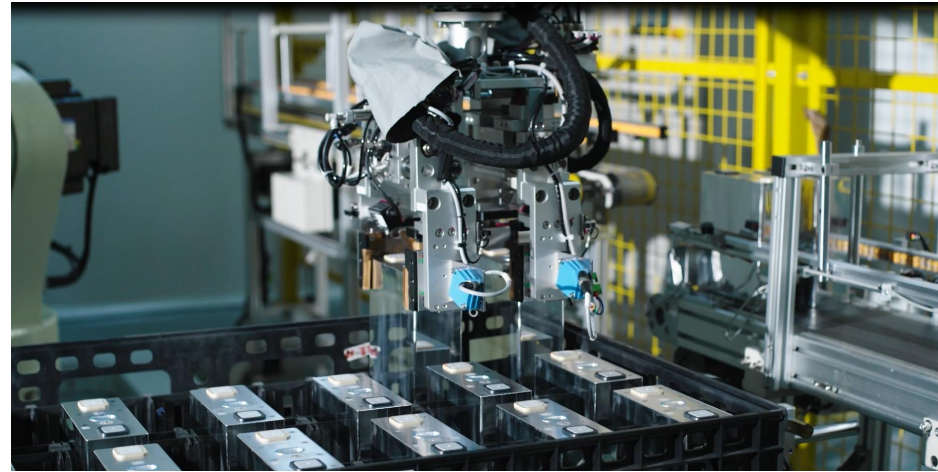
MIXING



COATING



CUTTING



GRADING

Production Facility



GRADING



GRADING



AGING



ASSEMBLING



ASSEMBLING



WELDING

LiFePO4 Cell

Model	Capacity (Ah)	Voltage(V)	Continuous discharge rate	Cycles 25°C	IR(mΩ)	N.W.(g)	Size(mm)	Suggest Application
32140	15	3.2V	1C/2C	5000	≤3.0	295±5	D32*H14	ESS/EV
40135	20	3.2V	3C	3000	≤3.0	364±10	D40*H135	EV
LFP50	50	3.2	3C	3000	≤0.7	1395±50	29*185*181	EV
LFP52	52	3.2V	1C	3000	≤1.0	950±15	28*148*115	ESS/EV
LFP100	102	3.2V	1C	5000	≤0.5	1985±100	50*160*119	ESS/EV
LFP104	104	3.2V	1C	5000	≤0.5	1909±50	53*148*115	ESS/EV
LFP105	105	3.2V	1C	5000	≤0.4	1980±60	36*130*200	ESS/EV
LFP200	205	3.2V	1C	5000	≤0.5	3900±120	54*173*207	ESS/EV
LFP280	280	3.2V	1C	6000	≤0.25	5420±300	72*174*207	ESS

LiFePO4 Cell

Model	Capacity (Ah)	Voltage(V)	Max discharge current	Cycles 25°C	IR(mΩ)	N.W.(g)	Size(mm)	Suggest Application
LFP300	300	3.2V	0.5C	8000	≤0.3	5998±30	81*175*200	ESS
LFP314	314	3.2V	1C	8000	≤0.23	5600±300	72*174*207	ESS
LFP628	628	3.2V	1C	8000	≤0.15	11400±169	72*207*352	ESS

Novacell Cabinet series

Lithium iron phosphate battery



Nova cabinet-type energy storage battery system is based on lithium iron phosphate batteries and is equipped with a high-performance, stable and reliable battery management system (BMS). The product adopts a standardized chassis installation method, which has the characteristics of green environmental protection, high energy density, long charge-discharge cycle life, good safety performance, good compatibility and operability, and is widely used in smart computer rooms, home energy storage power supplies, photovoltaic energy storage systems, etc.

Features:

- ⊗ Long cycle life (6000 cycles), up to 10 years
- ⊗ Sophisticated appearance and ultra-light body
- ⊗ One-key switch machine, convenient operation, high efficiency and energy saving
- ⊗ High compatibility BMS, compatible with various brands of energy storage inverters
- ⊗ Support parallel capacity expansion, up to 16 parallel machines, address automatic acquisition, no manual operation
- ⊗ Multiple communication interfaces: RS232, RS485, CAN
- ⊗ Simple external connection, saving installation time and cost

Parameters



Model	48V50Ah	48V100Ah	48V150Ah	48V200Ah
Nominal voltage	51.2V	51.2V	51.2V	51.2V
Nominal Capacity	50Ah	100Ah	150Ah	200Ah
BMS	50A	100A	150A	200A
Structure	3.2v50Ah 16 Series	3.2V100Ah 16 Series	3.2V150Ah 16 Series	3.2V100Ah 16 Series
Charge Current (A)	25A	50A	75A	100A
Rated energy storage (KWh)	2.56kwh	5.12kwh	7.68kwh	10.24kwh
Operating voltage range	40V~58.4v	40V~58.4v	40V~58.4v	40V~58.4v
Operating temperature range	Charge: 0-60°C; Discharge: -20-60°C			
Communication interface	RS485/RS23/CAN	RS485/RS23/CAN	RS485/RS23/CAN	RS485/RS23/CAN
Optional features	16 Series and parallel	16 Series and parallel	16 Series and parallel	16
Cycle life	≥6000	≥6000	≥6000	≥6000
Weight	≤30kg	≤48kg	≤65kg	≤84kg
Size (mm)	482*400*177mm	482*440*177mm	482*500*222mm	482*500*280mm

Nova Cabinet series

High Voltage energy storage system



Novacell high voltage energy storage system is composed of a battery pack with a battery management system, which is used together with an inverter. The flexible battery management system makes the chassis lithium battery have the characteristics of high safety, long life and good performance, and can be applied to various fields

Model	92V100Ah	192V100Ah	512V100Ah	716V100Ah
Nominal voltage	92V	192V	512V	716.8V
Nominal Capacity	100Ah	100Ah	100Ah	100Ah
BMS	100A	100A	100A	100A
Structure	2S1P	4S1P	10S1P	14S1P
Charge Current (A)	50A	50A	50A	50A
Rated energy storage (KWh)	10.24kwh	19.2kwh	51.2kwh	71.6kwh
Operating voltage range	80V-116.8V	160V-233.6V	400V-584V	560V-817.6V
Operating temperature range	Charge : 0-60℃; Discharge: -20-60℃			
Communication interface	RS485/RS23/CAN	RS485/RS23/CAN	RS485/RS23/CAN	RS485/RS23/CAN
Array mode	16S1P	16S1P	16S1P	16S1P
Cycle life	≥ 6000	≥ 6000	≥ 6000	≥ 6000
Weight	120kg	220kg	450kg	800kg
Size (mm)	Customize on demand	Customize on demand	Customize on demand	Customize on demand

Wall mounted series Lithium iron phosphate battery



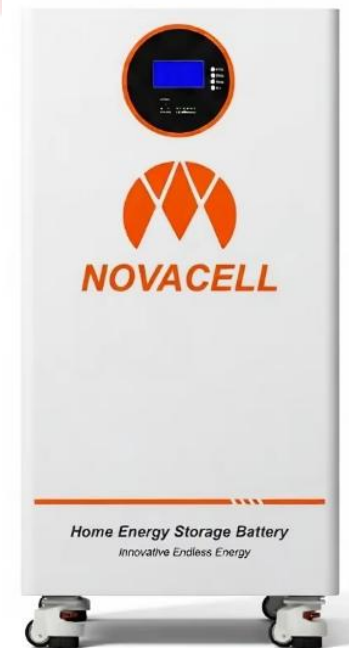
Novacell wall-mounted energy storage battery enhances the independence of the system's electricity consumption by storing solar energy, and can enjoy the clean energy generated by your own home at night. With solar energy, it can charge the home appliance with sunlight, which can continuously power the home appliance for several days. Ensure uninterrupted operation of the home appliance and all-round energy supply. Stylish appearance, easy installation, simple design, strong and durable, perfect fit for a variety of residential styles

Features:

- Long cycle life (6000 cycles), up to 10 years
- Sophisticated appearance and ultra-light body
- One-key switch machine, convenient operation, high efficiency and energy saving
- High compatibility BMS, compatible with various brands of energy storage inverters
- Support parallel capacity expansion, up to 16 parallel machines, address automatic acquisition, no manual operation
- Multiple communication interfaces: RS232, RS485, CAN
- Simple external connection, saving installation time and cost
- Wall-mounted installation, easy installation, small space occupation

Parameter				
Model	48V50Ah	48V100Ah	48V150Ah	48V200Ah
Nominal voltage	51.2V	51.2V	51.2V	48V
Nominal Capacity	50Ah	100Ah	150Ah	200Ah
BMS	50A	100A	150A	200A
Structure	3.2v50Ah 16S	3.2V100Ah 16S	3.2V150Ah 16S	3.2V100Ah 16S
Charge Current (A)	25A	50A	50A	50A
Rated energy storage (KWh)	2.56kwh	5.12kwh	7.68kwh	10.24kwh
Operating voltage range	40V~58.4v	40V~58.4v	40V~58.4v	38V~54.75V
Operating temperature range	Charge: 0-60°C; Discharge: -20-60°C			
Communication interface	RS485/RS23/CAN	RS485/RS23/CAN	RS485/RS23/CAN	RS485/RS23/CAN
Array mode	16S1P	16S1P	16S1P	16S1P
Cycle life	≥6000	≥6000	≥6000	≥6000
Weight	≤30kg	≤48kg	≤65kg	≤84kg
Size (mm)	3U 482*350*132mm	4U 482*400*170mm	5U 482*430*222mm	6U 482*500*280mm

NV-HE-FS16KWh



家庭储能电源(落地式16KWh)

16KWh Floor-Stand HOUSEHOLD ENERGY STORAGE SYSTEM

型 号	NV-ESSW16KWh	Model	NV-ESSW16KWh
尺寸 (长*宽*高)	925mm*500mm*315mm	Size	925mm*500mm*315mm
重 量	大约133Kg	Weight	Approx 133Kg
电池容量	314Ah/51.2V (16.08KWh)	Battery capacity	314Ah/51.2V (16.08KWh)
认证标准	CE FCC ROHS	Certification standards	CE FCC ROHS
电池电压范围	40-58V	Battery voltage range	40-58V
无线通讯	支持WIFI蓝牙与手机APP连接	Communication mode	Support WIFI Bluetooth connection with mobile APP
通讯	RS485//CAN	communicate	RS485/CAN
电池类型	磷酸铁锂	Battery type	LiFePO4 Battery
电池循环寿命	6000次循环后， 剩余容量仍在80%以上	Battery cycle life	After 4000 cycles, the remaining capacity is still more than 80%
保护功能	过温保护、过压保护、过流保护、过充保护、过放保护、负载短路保护、过载保护。	System protection	Over-temperature protection, Over voltage protection,Over current protection,Overcharge protection,Over discharge protection,Load short circuit protection,Overload protection.
放电温度	-20℃—50℃ (推荐环境温度为15℃~35℃)	Discharge Temperature	-20℃—50℃
充电温度	-5℃—50℃ (推荐环境温度为15℃~35℃)	Charging Temperature	-5℃—50℃
储存温度	推荐环境温度为0℃~ 45℃	Storage Temperature	The recommended ambient temperature ranges from 0℃ to 45℃

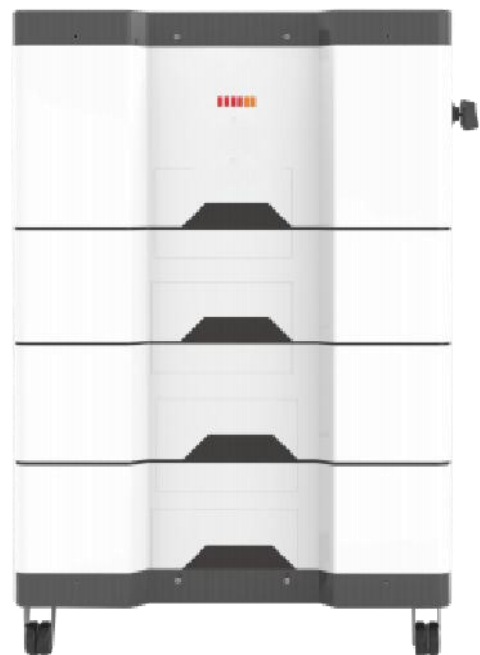
NV-HE-AIO10KWh



家庭储能电源(一体机10KWh) 10KWh All IN ONE HOUSEHOLD ENERGY STORAGE SYSTEM

型 号	NV-HE-AIO10KWh	Model	NV-HE-AIO10KWh
尺寸 (长*宽*高)	L600mm*W466mm*H1520mm	Size	L600mm*W466mm*H1520mm
重 量	180Kg	Weight	Approx 180Kg
电池容量	200Ah/51.2V (10.24KWh)	Battery capacity	200Ah/51.2V (10.24KWh)
认证标准	CE FCC ROHS	Certification standards	CE FCC ROHS
交流输出	176-270V	AC Output	176-270V
输出功率	额定功率：6000W,峰值功率：7000W	Inverter Output power	Rated power 6000W, peak power 7000W
太阳能充电输入	125-500V	Solar Charging Input	125-500V
电池电压范围	40-58V	Battery voltage range	40-58V
无线通讯	支持WIFI蓝牙与手机APP连接	Communication mode	Support WIFI Bluetooth connection with mobile APP
通讯	RS485//CAN	communicate	RS485/CAN
电池类型	磷酸铁锂	Battery type	LiFePO4 Battery
电池循环寿命	6000次循环后，剩余容量仍在80%以上	Battery cycle life	After6000 cycles, the remaining capacity is still more than 80%
保护功能	过温保护、过压保护、过流保护、过充保护、过放保护、负载短路保护、过载保护。	System protection	Over-temperature protection, Over voltage protection,Over current protection,Overcharge protection,Over discharge protection,Load short circuit protection,Overload protection.
放电温度	-20℃—50℃ (推荐环境温度为15℃~35℃)	Discharge Temperature	-20℃—50℃
充电温度	-5℃—50℃ (推荐环境温度为15℃~35℃)	Charging Temperature	-5℃—50℃
储存温度	推荐环境温度为0℃~45℃	Storage Temperature	The recommended ambient temperature ranges from 0℃ to 45℃

NV-HE-AIO15KWh



家庭储能电源(一体机15KWh)

15KWh All IN ONE HOUSEHOLD ENERGY STORAGE SYSTEM

型 号	NV-HE-AIO15KWh	Model	NV-HE-AIO15KWh
尺寸 (长*宽*高)	L645mm*W569mm*H955mm	Size	L645mm*W569mm*H955mm
重 量	< 300Kg	Weight	Approx 300Kg
电池容量	80Ah/192V (15.36kWh)	Battery capacity	80Ah/192V (15.36kWh)
认证标准	CE FCC ROHS	Certification standards	CE FCC ROHS
交流输出	240 / 440 V	AC Output	240 / 440 V
输出功率	额定功率：10000W，峰值功率：15000W	Inverter Output power	Rated power 10000W, peak power 15000W
太阳能充电输入	180 V ~ 850 V	Solar Charging Input	180 V ~ 850 V
电池电压范围	150V-219V	Battery voltage range	150V-219V
无线通讯	支持WIFI蓝牙与手机APP连接	Communication mode	Support WIFI Bluetooth connection with mobile APP
通讯	RS485/CAN	communicate	RS485/CAN
电池类型	磷酸铁锂	Battery type	LiFePO4 Battery
电池循环寿命	6000次循环后，剩余容量仍在80%以上	Battery cycle life	After6000 cycles, the remaining capacity is still more than 80%
保护功能	过温保护、过压保护、过流保护、过充保护、过放保护、负载短路保护、过载保护。	System protection	Over-temperature protection, Over voltage protection,Over current protection,Overcharge protection,Over discharge protection,Load short circuit protection,Overload protection.
放电温度	-20℃—50℃ (推荐环境温度为15℃~35℃)	Discharge Temperature	-20℃—50℃
充电温度	-5℃—50℃ (推荐环境温度为15℃~35℃)	Charging Temperature	-5℃—50℃
储存温度	推荐环境温度为0℃~ 45℃	Storage Temperature	The recommended ambient temperature ranges from 0℃ to 45℃

家庭储能电源（堆叠式5KWh）

5KWh STACKED HOUSEHOLD ENERGY STORAGE SYSTEM

NV-HE-STAI05KWh



型 号	NV-HE-STAI05KWh	Model	NV-HE-STAI05KWh
电池类型	磷酸铁锂	Battery type	LiFePO4 Battery
电池容量	100Ah/51.2V (5.12kWh)	Battery capacity	100Ah/51.2V (5.12kWh)
交流输出	176-270V	AC Output	176-270V
输出功率	额定功率：3000W,峰值功率：4600W	Inverter Output power	Rated power 3000W, peak power 4600W
太阳能充电输入	125-500V	Solar Charging Input	125-500V
电池电压范围	40-58V	Battery voltage range	40-58V
无线通讯	支持WIFI蓝牙与手机APP连接	Communication mode	Support WIFI Bluetooth connection with mobile APP
通 讯	RS485/CAN	communicate	RS485/CAN
电池循环寿命	6000次循环后，剩余容量仍在80%以上	Battery cycle life	After6000 cycles, the remaining capacity is still more than 80%
保护功能	过温保护、过压保护、过流保护、过充保护、过放保护、负载短路保护、过载保护。	System protection	Over-temperature protection, Over voltage protection,Over current protection,Overcharge protection,Over discharge protection,Load short circuit protection,Overload protection.
放电温度	-20℃—50℃（推荐环境温度为20℃~ 30℃）	Discharge Temperature	-20℃—50℃
充电温度	-5℃—50℃（推荐环境温度为20℃~ 30℃）	Charging Temperature	-5℃—50℃
储存温度	推荐环境温度为0℃~ 45℃	Storage Temperature	The recommended ambient temperature ranges from0℃ to 45℃
尺寸（长*宽*高）	L637mm*W387mm*H914mm	Size	L637mm*W387mm*H914mm
重 量	118Kg	Weight	118Kg
认证标准	CE FCC ROHS	Certification standards	CE FCC ROHS

家庭储能电源(堆叠式10KWh) 10KWh STACKED HOUSEHOLD ENERGY STORAGE SYSTEM

NV-HE-STAI010KWh



型 号	NV-HE-STAI010KWh	Model	NV-HE-STAI010KWh
电池类型	磷酸铁锂	Battery type	LiFePO4 Battery
电池容量	200Ah/51.2V (10.24kWh)	Battery capacity	200Ah/51.2V (10.24kWh)
交流输出	176-270V	AC Output	176-270V
输出功率	额定功率： 6000W,峰值功率： 7000W	Inverter Output power	Rated power 6000W, peak power 7000W
太阳能充电输入	125-500V	Solar Charging Input	125-500V
电池电压范围	40-58V	Battery voltage range	40-58V
无线通讯	支持WIFI蓝牙与手机APP连接	Communication mode	Support WIFI Bluetooth connection with mobile APP
通 讯	RS485/CAN	communicate	RS485/CAN
电池循环寿命	6000次循环后， 剩余容量仍在80%以上	Battery cycle life	After6000 cycles, the remaining capacity is still more than 80%
保护功能	过温保护、过压保护、过流保护、过充保护、过放保护、负载短路保护、过载保护。	System protection	Over-temperature protection, Over voltage protection,Over current protection,Overcharge protection,Over discharge protection,Load short circuit protection,Overload protection.
放电温度	-20℃—50℃ (推荐环境温度为20℃~ 30℃)	Discharge Temperature	-20℃—50℃
充电温度	-5℃—50℃ (推荐环境温度为20℃~ 30℃)	Charging Temperature	-5℃—50℃
储存温度	推荐环境温度为0℃~ 45℃	Storage Temperature	The recommended ambient temperature ranges from 0℃ to 45℃
尺寸 (长*宽*高)	L637mm*W387mm*H914mm	Size	L637mm*W387mm*H914mm
重 量	169.8Kg	Weight	169.8Kg
认证标准	CE FCC ROHS	Certification standards	CE FCC ROHS

家庭储能电源（堆叠式15KWh）

15KWh STACKED HOUSEHOLD ENERGY STORAGE SYSTEM

NV-HE-STAI015KWh



型 号	NV-HE-STAI015KWh	Model	NV-HE-STAI015KWh
电池类型	磷酸铁锂	Battery type	LiFePO4 Battery
电池容量	300Ah/51.2V (15.36KWh)	Battery capacity	300Ah/51.2V (15.36KWh)
交流输出	176-270V	AC Output	176-270V
输出功率	额定功率：6000W,峰值功率：7000W	Inverter Output power	Rated power 6000W, peak power 7000W
太阳能充电输入	125-500V	Solar Charging Input	125-500V
电池电压范围	40-58V	Battery voltage range	40-58V
无线通讯	支持WIFI蓝牙与手机APP连接	Communication mode	Support WIFI Bluetooth connection with mobile APP
通 讯	RS485/CAN	communicate	RS485/CAN
电池循环寿命	6000次循环后，剩余容量仍在80%以上	Battery cycle life	After 6000 cycles, the remaining capacity is still more than 80%
保护功能	过温保护、过压保护、过流保护、过充保护、过放保护、负载短路保护、过载保护。	System protection	Over-temperature protection, Over voltage protection,Over current protection,Overcharge protection,Over discharge protection,Load short circuit protection,Overload protection.
放电温度	-20℃—50℃（推荐环境温度为20℃~ 30℃）	Discharge Temperature	-20℃—50℃
充电温度	-5℃—50℃（推荐环境温度为20℃~ 30℃）	Charging Temperature	-5℃—50℃
储存温度	推荐环境温度为0℃~ 45℃	Storage Temperature	The recommended ambient temperature ranges from 0℃ to 45℃
尺寸（长*宽*高）	L637mm*W387mm*H1236mm	Size	L637mm*W387mm*H1236mm
重 量	221.6Kg	Weight	221.6Kg
认证标准	CE FCC ROHS	Certification standards	CE FCC ROHS

家庭储能电源(堆叠式20KWh)
20KWh HIGH VOLTAGE STACKED HOUSEHOLD ENERGY STORAGE SYSTEM

NV-HE-STAI020KWh



型 号	NV-HE-STAI020KWh	Model	NV-HE-STAI020KWh
电池类型	磷酸铁锂	Battery type	LiFePO4 Battery
电池容量	400Ah/51.2V (20.48KWh)	Battery capacity	400Ah/51.2V (20.48KWh)
交流输出	176-270V	AC Output	176-270V
输出功率	额定功率：6000W,峰值功率：7000W	Inverter Output power	Rated power 6000W, peak power 7000W
太阳能充电输入	125-500V	Solar Charging Input	125-500V
电池电压范围	40-58V	Battery voltage range	40-58V
高压输出	支持高压输出	High voltage output	Support high voltage output
无线通讯	支持WIFI蓝牙与手机APP连接	Communication mode	Support WIFI Bluetooth connection with mobile APP
通 讯	RS485/CAN	communicate	RS485/CAN
电池循环寿命	6000次循环后，剩余容量仍在80%以上	Battery cycle life	After 6000 cycles, the remaining capacity is still more than 80%
保护功能	过温保护、过压保护、过流保护、过充保护、过放保护、负载短路保护、过载保护。	System protection	Over-temperature protection, Over voltage protection,Over current protection,Overcharge protection,Over discharge protection,Load short circuit protection,Overload protection.
放电温度	-20℃—50℃ (推荐环境温度为20℃~ 30℃)	Discharge Temperature	-20℃—50℃
充电温度	-5℃—50℃ (推荐环境温度为20℃~ 30℃)	Charging Temperature	-5℃—50℃
储存温度	推荐环境温度为0℃~ 45℃	Storage Temperature	The recommended ambient temperature ranges from 0℃ to 45℃
尺寸 (长*宽*高)	L637mm*W387mm*H1397mm	Size	L637mm*W387mm*H1397mm
重 量	273.4Kg	Weight	273.4Kg
认证标准	CE FCC ROHS	Certification standards	CE FCC ROHS

NV-HE-STAI025KWh



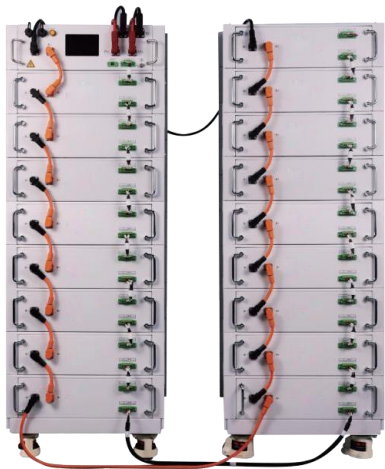
家庭储能电源（堆叠式25KWh）

25KWh HIGH VOLTAGE STACKED HOUSEHOLD ENERGY STORAGE SYSTEM

型 号	NV-HE-STAI025KWh	Model	NV-HE-STAI025KWh
电池类型	磷酸铁锂	Battery type	LiFePO4 Battery
电池容量	100Ah/256V (25.6KWh)	Battery capacity	100Ah/256V (25.6KWh)
交流输出	360-440V	AC Output	360-440V
输出功率	额定功率：8000W,峰值功率：8800W	Inverter Output power	Rated power 8000W, peak power 8800W
太阳能充电输入	180-850V	Solar Charging Input	180-850V
电池电压范围	200-292V	Battery voltage range	200-292V
高压输出	支持高压输出	High voltage output	Support high voltage output
无线通讯	支持WIFI蓝牙与手机APP连接	Communication mode	Support WIFI Bluetooth connection with mobile APP
通 讯	RS485/CAN	communicate	RS485/CAN
电池循环寿命	6000次循环后，剩余容量仍在80%以上	Battery cycle life	After 6000 cycles, the remaining capacity is still more than 80%
保护功能	过温保护、过压保护、过流保护、过充保护、过放保护、负载短路保护、过载保护。	System protection	Over-temperature protection, Over voltage protection, Over current protection, Overcharge protection, Over discharge protection, Load short circuit protection, Overload protection.
放电温度	-20℃—50℃（推荐环境温度为20℃~ 30℃）	Discharge Temperature	-20℃—50℃
充电温度	-5℃—50℃（推荐环境温度为20℃~ 30℃）	Charging Temperature	-5℃—50℃
储存温度	推荐环境温度为0℃~ 45℃	Storage Temperature	The recommended ambient temperature ranges from 0℃ to 45℃
尺寸（长*宽*高）	L637mm*W387mm*H1558mm	Size	L637mm*W387mm*H1558mm
重 量	325.2Kg	Weight	325.2Kg
认证标准	CE FCC ROHS	Certification standards	CE FCC ROHS

家庭储能电站(60KWh)
60KWh HOME ENERGY STORAGE SYSTEM

NV-HE-60KWh



Optional Inverter

25KW 30KW 35KW

型 号	NV-HE-60KWh	Model	NV-HE-60KWh
电池类型	磷酸铁锂	Battery type	LiFePO4 Battery
电池容量	100Ah/614.4V (61.44kWh)	Battery capacity	100Ah/614.4V (61.44kWh)
交流输出	220/380; 230/400V AC	AC Output	220/380; 230/400V AC
输出功率	额定功率：30kW,峰值功率：35kW	Inverter Output power	Rated power30KW, peak power 35KW
电池电压范围	480~700.8V	Battery voltage range	480~700.8V
额定电流	50A	rated current	50A
最大输出电流	100A	maximum current output	100A
无线通讯	支持WIFI蓝牙与手机APP连接	Communication mode	Support WIFI Bluetooth connection with mobile APP
通 讯	RS485/CAN	communicate	RS485/CAN
电池循环寿命	6000次循环后， 剩余容量仍在80%以上	Battery cycle life	After 6000 cycles, the remaining capacity is still more than 80%
保护功能	过温保护、过压保护、过流保护、过充保护、过放保护、负载短路保护、过载保护。	System protection	Over-temperature protection, Over voltage protection,Over current protection,Overcharge protection,Over discharge protection,Load short circuit protection,Overload protection.
放电温度	-20℃—50℃（推荐环境温度为20℃~ 30℃）	Discharge Temperature	-20℃—50℃
充电温度	-5℃—50℃（推荐环境温度为20℃~ 30℃）	Charging Temperature	-5℃—50℃
储存温度	推荐环境温度为0℃~ 45℃	Storage Temperature	The recommended ambient temperature ranges from 0℃ to 45℃
尺寸 (长*宽*高)	1100*750*2200mm(不含逆变器)	Size	1100*750*2200mm / 43.3*29.586.6 in (no contain inverter)
重 量	552Kg	Weight	552Kg
认证标准	CE FCC ROHS	Certification standards	CE FCC ROHS

商业储能电站(50KWh)
50KWh COMMERCIAL ENERGY STORAGE SYSTEM

NV-CE-50KWh



Optional Inverter

25KW

30KW

35KW

型 号	NV-CE-50KWh	Model	NV-CE-50KWh
电池类型	磷酸铁锂	Battery type	LiFePO4 Battery
电池容量	100Ah/512V (51.2kWh)	Battery capacity	100Ah/512V (51.2kWh)
交流输出	220/380; 230/400V AC	AC Output	220/380; 230/400V AC
输出功率	额定功率：30kW,峰值功率：35kW	Inverter Output power	Rated power30KW, peak power 35KW
电池电压范围	400~584V	Battery voltage range	400~584V
额定电流	50A	rated current	50A
最大输出电流	100A	maximum current output	100A
无线通讯	支持WIFI蓝牙与手机APP连接	Communication mode	Support WIFI Bluetooth connection with mobile APP
通 讯	RS485/CAN	communicate	RS485/CAN
电池循环寿命	6000次循环后，剩余容量仍在80%以上	Battery cycle life	After 6000 cycles, the remaining capacity is still more than 80%
保护功能	过温保护、过压保护、过流保护、过充保护、过放保护、负载短路保护、过载保护。	System protection	Over-temperature protection, Over voltage protection,Over current protection,Overcharge protection,Over discharge protection,Load short circuit protection,Overload protection.
放电温度	-20℃—50℃（推荐环境温度为20℃~ 30℃）	Discharge Temperature	-20℃—50℃
充电温度	-5℃—50℃（推荐环境温度为20℃~ 30℃）	Charging Temperature	-5℃—50℃
储存温度	推荐环境温度为0℃~ 45℃	Storage Temperature	The recommended ambient temperature ranges from 0℃ to 45℃
尺寸 (长*宽*高)	1100*750*2200mm(不含逆变器)	Size	1100*750*2200mm / 43.3*29.586.6 in (no contain inverter)
重 量	696Kg	Weight	696Kg
认证标准	CE FCC ROHS	Certification standards	CE FCC ROHS

商业储能电站(100KWh)

100KWh COMMERCIAL ENERGY STORAGE SYSTEM

NV-CE-100KWh



Optional Inverter

25KW

30KW

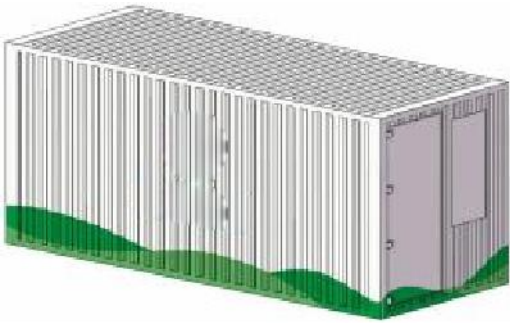
50KW

型 号	NV-CE-100KWh	Model	NV-CE-100KWh
电池类型	磷酸铁锂	Battery type	LiFePO4 Battery
电池容量	200Ah/512V (102.4kWh)	Battery capacity	200Ah/512V (102.4kWh)
交流输出	220/380; 230/400V AC	AC Output	220/380; 230/400V AC
输出功率	额定功率： 50kW,峰值功率： 55kW	Inverter Output power	Rated power50KW, peak power 55KW
电池电压范围	400~584V	Battery voltage range	400~584V
额定电流	50A	rated current	50A
最大输出电流	100A	maximum current output	100A
无线通讯	支持WIFI蓝牙与手机APP连接	Communication mode	Support WIFI Bluetooth connection with mobile APP
通 讯	RS485/CAN	communicate	RS485/CAN
电池循环寿命	6000次循环后， 剩余容量仍在80%以上	Battery cycle life	After 6000 cycles, the remaining capacity is still more than 80%
保护功能	过温保护、过压保护、过流保护、过充保护、过放保护、负载短路保护、过载保护。	System protection	Over-temperature protection, Over voltage protection,Over current protection,Overcharge protection,Over discharge protection,Load short circuit protection,Overload protection.
放电温度	-20℃—50℃（推荐环境温度为20℃~ 30℃）	Discharge Temperature	-20℃—50℃
充电温度	-5℃—50℃（推荐环境温度为20℃~ 30℃ ）	Charging Temperature	-5℃—50℃
储存温度	推荐环境温度为0℃~ 45℃	Storage Temperature	The recommended ambient temperature ranges from 0℃ to 45℃
尺寸 (长*宽*高)	1400*1100*1650mm(不含逆变器)	Size	1400*1100*1650mm / 55.1*43.3*65 in (no contain inverter)
重 量	1172Kg	Weight	1172Kg
认证标准	CE FCC ROHS	Certification standards	CE FCC ROHS

工业储能电站(250KWh)

250KWh INDUSTRIAL ENERGY STORAGE SYSTEM

NV-IE-250KWh



PCS可选配

50KW

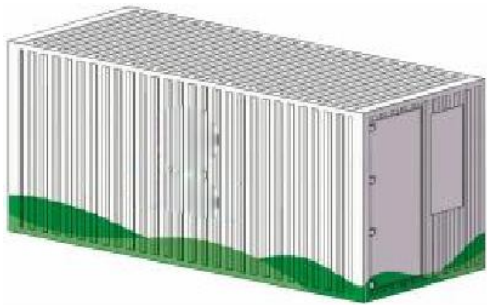
100KW

150KW

型 号	NV-IE-250KWh	Model	NV-IE-250KWh
电池类型	磷酸铁锂	Battery type	LiFePO4 Battery
电池容量	560Ah/457.6V (256.25kWh)	Battery capacity	560Ah/457.6V (256.25kWh)
交流输出	320~460V	AC Output	320~460V
输出功率	额定功率：50kW,峰值功率：55kW	Inverter Output power	Rated power50KW, peak power 55KW
电池电压范围	357.5~521.95V	Battery voltage range	357.5-521.95V
额定电流	72A	rated current	72A
最大输出电流	80A	maximum current output	80A
无线通讯	支持WIFI蓝牙与手机APP连接	Communication mode	Support WIFI Bluetooth connection with mobile APP
通 讯	RS485/CAN	communicate	RS485/CAN
电池循环寿命	6000次循环后，剩余容量仍在80%以上	Battery cycle life	After 6000 cycles, the remaining capacity is still more than 80%
保护功能	过温保护、过压保护、过流保护、过充保护、过放保护、负载短路保护、过载保护。	System protection	Over-temperature protection, Over voltage protection,Over current protection,Overcharge protection,Over discharge protection,Load short circuit protection,Overload protection.
放电温度	-20℃—50℃（推荐环境温度为20℃~ 30℃）	Discharge Temperature	-20℃—50℃
充电温度	-5℃—50℃（推荐环境温度为20℃~ 30℃）	Charging Temperature	-5℃—50℃
储存温度	推荐环境温度为0℃~ 45℃	Storage Temperature	The recommended ambient temperature ranges from 0℃ to 45℃
尺寸 (长*宽*高)	L2991mm*W2438mm*H2591mm	Size	L2991mm*W2438mm*H2591mm
重 量	9500Kg	Weight	9500Kg
认证标准	CE FCC ROHS	Certification standards	CE FCC ROHS

工业储能电站 (500KWh)
500KWh INDUSTRIAL ENERGY STORAGE SYSTEM

NV-IE-500KWh



PCS可选配

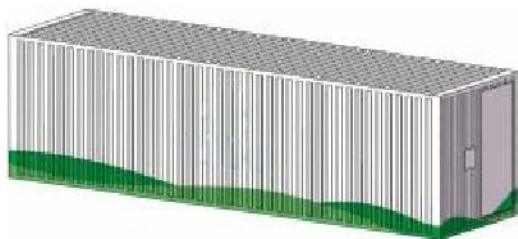
50KW 100KW 150KW 250KW

型 号	NV-IE-500KWh	Model	NV-IE-500KWh
电池类型	磷酸铁锂	Battery type	LiFePO4 Battery
电池容量	840Ah/598.4V 502.6kWh)	Battery capacity	840Ah/598.4V 502.6kWh)
交流输出	320~460V	AC Output	320~460V
输出功率	额定功率：100kW,峰值功率：110kW	Inverter Output power	Rated power 100KW, peak power 110KW
电池电压范围	467.5-682.5V	Battery voltage range	467.5-682.5V
额定电流	144A	rated current	144A
最大输出电流	159A	maximum current output	159A
无线通讯	支持WIFI蓝牙与手机APP连接	Communication mode	Support WIFI Bluetooth connection with mobile APP
通 讯	RS485/CAN	communicate	RS485/CAN
电池循环寿命	6000次循环后，剩余容量仍在80%以上	Battery cycle life	After 6000 cycles, the remaining capacity is still more than 80%
保护功能	过温保护、过压保护、过流保护、过充保护、过放保护、负载短路保护、过载保护。	System protection	Over-temperature protection, Over voltage protection,Over current protection,Overcharge protection,Over discharge protection,Load short circuit protection,Overload protection.
放电温度	-20℃—50℃（推荐环境温度为20℃~ 30℃）	Discharge Temperature	-20℃—50℃
充电温度	-5℃—50℃（推荐环境温度为20℃~ 30℃）	Charging Temperature	-5℃—50℃
储存温度	推荐环境温度为0℃~ 45℃	Storage Temperature	The recommended ambient temperature ranges from 0℃ to 45℃
尺寸 (长*宽*高)	L6058mm*W2438mm*H2591mm	Size	L6058mm*W2438mm*H2591mm
重 量	11500Kg	Weight	11500Kg
认证标准	CE FCC ROHS	Certification standards	CE FCC ROHS

工业储能电站(1 MWh)

1MWh INDUSTRIAL ENERGY STORAGE SYSTEM

NV-IE-1MWh



PCS可选配

100kw

150KW

250KW

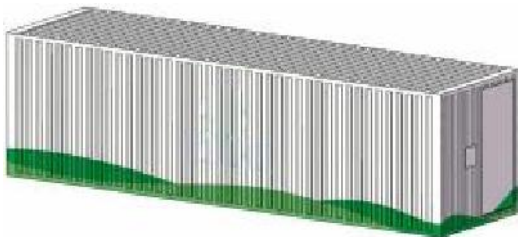
500KW

型 号	NV-IE-ESSI1MWH	Model	NV-IE-ESSI1MWH
电池类型	磷酸铁锂	Battery type	LiFePO4 Battery
电池容量	1680Ah/598.4V (1005.3kWh)	Battery capacity	1680Ah/598.4V (1005.3kWh)
交流输出	320~460V	AC Output	320~460V
输出功率	额定功率：150kW,峰值功率：165kW	Inverter Output power	Rated power150KW, peak power 165KW
电池电压范围	467.5-682.5V	Battery voltage range	467.5-682.5V
额定电流	216A	rated current	216A
最大输出电流	238A	maximum current output	238A
无线通讯	支持WIFI蓝牙与手机APP连接	Communication mode	Support WIFI Bluetooth connection with mobile APP
通 讯	RS485/CAN	communicate	RS485/CAN
电池循环寿命	6000次循环后，剩余容量仍在80%以上	Battery cycle life	After 6000 cycles, the remaining capacity is still more than 80%
保护功能	过温保护、过压保护、过流保护、过充保护、过放保护、负载短路保护、过载保护。	System protection	Over-temperature protection, Over voltage protection,Over current protection,Overcharge protection,Over discharge protection,Load short circuit protection,Overload protection.
放电温度	-20℃—50℃（推荐环境温度为20℃~ 30℃）	Discharge Temperature	-20℃—50℃
充电温度	-5℃—50℃（推荐环境温度为20℃~ 30℃）	Charging Temperature	-5℃—50℃
储存温度	推荐环境温度为0℃~ 45℃	Storage Temperature	The recommended ambient temperature ranges from 0℃ to 45℃
尺寸（长*宽*高）	L6058mm*W2438mm*H2591mm	Size	L6058mm*W2438mm*H2591mm
重 量	16200Kg	Weight	Approx 16200Kg
认证标准	CE FCC ROHS	Certification standards	CE FCC ROHS

工业储能电站 (2MWh)

2MWh INDUSTRIAL ENERGY STORAGE SYSTEM

NV-IE-2MWh



PCS可选配

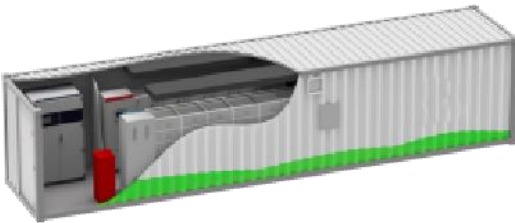
250KW	500KW	630KW
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型 号	NV-IE-ESSI2MWH	Model	NV-IE-ESSI2MWH
电池类型	磷酸铁锂	Battery type	LiFePO4 Battery
电池容量	3360Ah/598.4V (2010.6kWh)	Battery capacity	3360Ah/598.4V (2010.6kWh)
交流输出	320~460V	AC Output	320~460V
输出功率	额定功率: 250kW,峰值功率: 275kW	Inverter Output power	Rated power 250KW, peak power 275KW
电池电压范围	467.5-682.5V	Battery voltage range	467.5-682.5V
额定电流	361A	rated current	361A
最大输出电流	397A	maximum current output	397A
无线通讯	支持WIFI蓝牙与手机APP连接	Communication mode	Support WIFI Bluetooth connection with mobile APP
通 讯	RS485/CAN	communicate	RS485/CAN
电池循环寿命	6000次循环后, 剩余容量仍在80%以上	Battery cycle life	After 6000 cycles, the remaining capacity is still more than 80%
保护功能	过温保护、过压保护、过流保护、过充保护、过放保护、负载短路保护、过载保护。	System protection	Over-temperature protection, Over voltage protection,Over current protection,Overcharge protection,Over discharge protection,Load short circuit protection,Overload protection.
放电温度	-20℃—50℃ (推荐环境温度为20℃~ 30℃)	Discharge Temperature	-20℃—50℃
充电温度	-5℃—50℃ (推荐环境温度为20℃~ 30℃)	Charging Temperature	-5℃—50℃
储存温度	推荐环境温度为0℃~ 45℃	Storage Temperature	The recommended ambient temperature ranges from 0℃ to 45℃
尺寸 (长*宽*高)	L12192mm*W2438mm*H2591mm	Size	L12192mm*W2438mm*H2591mm
重 量	25800Kg	Weight	25800Kg
认证标准	CE FCC ROHS	Certification standards	CE FCC ROHS

工业储能电站(3MWh)

3MWh INDUSTRIAL ENERGY STORAGE SYSTEM

NV-IE-3MWh



PCS可选配

250KW

500KW

630KW

型 号	NV-IE-ESSI3MWH	Model	NV-IE-ESSI3MWH
电池类型	磷酸铁锂	Battery type	LiFePO4 Battery
电池容量	4480Ah/704V (3153.9kWh)	Battery capacity	4480Ah/704V (3153.9kWh)
交流输出	320~460V	AC Output	320~460V
输出功率	额定功率： 500kW,峰值功率： 550kW	Inverter Output power	Rated power 500KW, peak power 550KW
电池电压范围	550~803V	Battery voltage range	550~803V
额定电流	722A	rated current	722A
最大输出电流	794A	maximum current output	794A
无线通讯	支持WIFI蓝牙与手机APP连接	Communication mode	Support WIFI Bluetooth connection with mobile APP
通 讯	RS485/CAN	communicate	RS485/CAN
电池循环寿命	6000次循环后， 剩余容量仍在80%以上	Battery cycle life	After 6000 cycles, the remaining capacity is still more than 80%
保护功能	过温保护、过压保护、过流保护、过充保护、过放保护、负载短路保护、过载保护。	System protection	Over-temperature protection, Over voltage protection,Over current protection,Overcharge protection,Over discharge protection,Load short circuit protection,Overload protection.
放电温度	-20℃—50℃ (推荐环境温度为20℃~ 30℃)	Discharge Temperature	-20℃—50℃
充电温度	-5℃—50℃ (推荐环境温度为20℃~ 30℃)	Charging Temperature	-5℃—50℃
储存温度	推荐环境温度为0℃~ 45℃	Storage Temperature	The recommended ambient temperature ranges from 0℃ to 45℃
尺寸 (长*宽*高)	L12192mm*W2438mm*H2896mm	Size	L12192mm*W2438mm*H2896mm
重 量	32000Kg	Weight	32000Kg
认证标准	CE FCC ROHS	Certification standards	CE FCC ROHS