Jiangxi Anchi New Energy Technology Co., Ltd.

Moving forward practically and expanding boundaries infinitely

01

Company Introduction

Group introduction

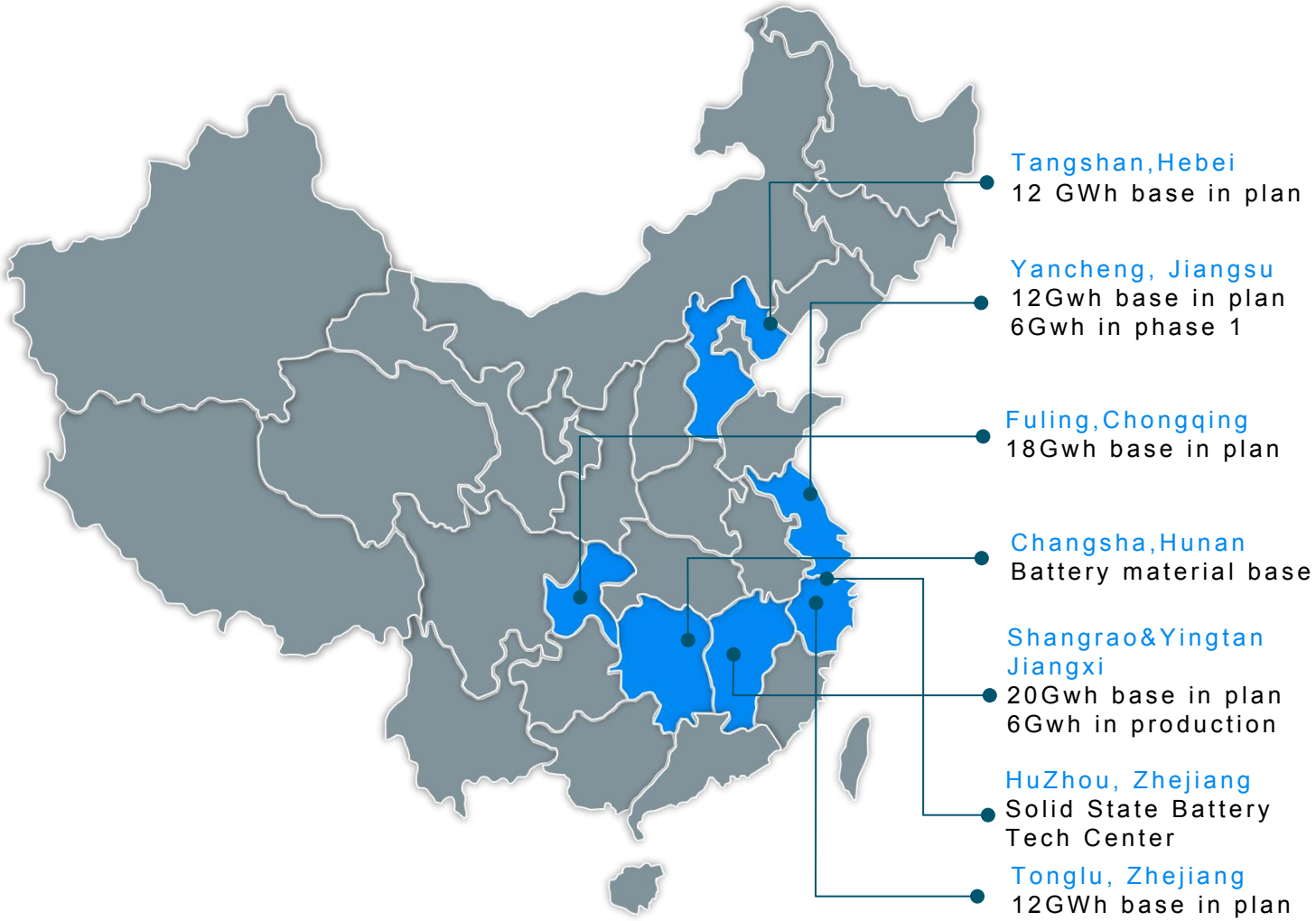
Zhejiang Geely Holding Group was founded in 1986 and entered the auto industry in 1997. Its current total assets exceed **510** billion yuan and employees exceeds **140,000**. It has been among the Fortune Global **500** for 12 consecutive years (**ranked 225th in 2023**) , is the only Chinese auto group among the **top 10** global auto brand portfolio values.

About Geely

Founded in May 2016, it has now formed an industrial ecosystem in which the three major business sectors of auto parts, new energy and phosphorus chemicals work together.

The company adheres to the high-quality development concept of "innovation is the foundation, hard-working is the soul", focuses on industry pain points and customer needs, intensifies efforts to develop specialized and new industries in new materials, new energy and other technical fields, and promotes mergers and acquisitions of the industrial chain.

About Geely



Jiangsu Yancheng smart factory
6+6GWh power system production base for passenger car
Geely Galaxy

Hebei Tangshan Zero Carbon Factory
6+6GWh passenger car power & ESS battery production line
Volvo Aden

Jiangxi Shangrao factory
9GWh business car power&ESS battery production base
Geely Farizon business car,
Changan business car,
Xiongtao, Shuangdeng Group

Jiangxi Yingtan factory
6GWh business car power&ESS battery production base
Wuling business car,
Ruilan battery change
Star Energy Technology

Business Segment

GEELY

- Vehicle manufacturing
  - VOLVO
  - 远程
  - ZEEKR
  - LYNK&CO
  - GEOMETRY 几何汽车
  - LEVC
  - 吉利汽车 GEELY AUTO
  - LOTUS NYO
  - RADAR 雷达汽车
- New energy
  - YOE
  - ANC NEW ENERGY TECHNOLOGY

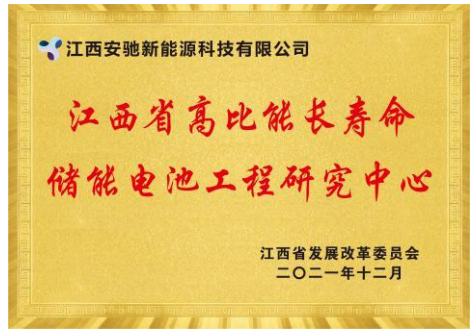
Our Honor


国家认定
企业技术中心
国家发展改革委 科 技 部
财政部 海关总署 国家税务总局


专精特新
"小巨人"企业
江西安驰新能源科技有限公司
工业和信息化部
有效期: 2021年7月1日-2024年6月30日


高新技术企业
证书
企业名称：江西安驰新能源科技有限公司
证书编号：GR202136001321
发证时间：2021年12月15日
有 效 期：三年
批准机关：

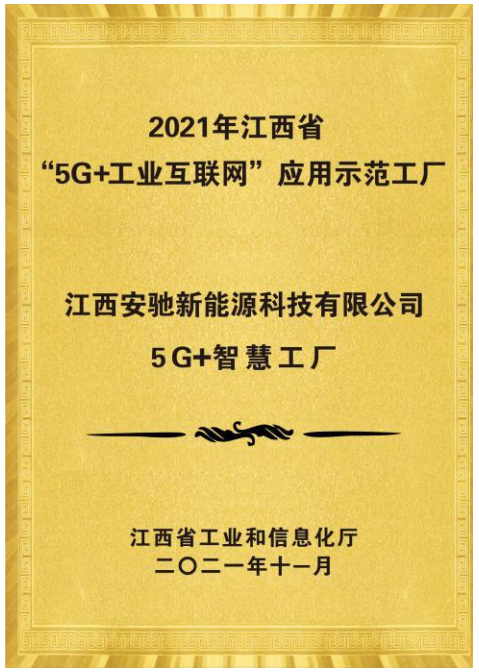

国家知识产权优势企业
国家知识产权局


江西安驰新能源科技有限公司
江西省高比能长寿命
储能电池工程研究中心
江西省发展改革委员会
二〇二一年十二月


中国商业联合会科学技术奖
全国商业科技进步奖
获奖证书
获奖项目:激迅相同性电源系统关键技术
产业化及其新能源汽车应用
获奖等级:一等奖
获 奖 者 :江西安驰新能源科技有限公司
二〇一九年十二月
证书号:2019-1-61-D02


二〇二二年度
江西省瞪羚企业
江西省科学技术厅


江西安驰新能源科技有限公司
智能制造标杆企业
江西省工业和信息化厅
二〇二一年一月


2021年江西省
"5G+工业互联网"应用示范工厂
江西安驰新能源科技有限公司
5G+智慧工厂
江西省工业和信息化厅
二〇二一年十一月


TOP10
NEV
创新榜
2020年度中国节能与新能源汽车产业十大创新力企业评选
江西安驰新能源科技有限公司
新能源汽车产业"年度十大知名品牌"
电池企业奖
节能与新能源汽车产业创新力评价组委会
二零二一年七月


江西安驰新能源科技有限公司
江西省电化学
储能技术创新中心
江西省科学技术厅
二〇二二年十二月


省级企业技术中心
江西省工业和信息化厅
江 西 省 财 政 厅
国家税务总局江西省税务局

Our Achievements-Power

2023年新能源物流车电池企业年度电池装车量TOP10销量及占比情况

排名	电池企业	装车量（MWh）	占比
1	宁德时代	7868.36	59.00%
2	国轩高科	2435.14	18.26%
3	中创新航	807.10	6.05%
4	亿纬锂能	607.44	4.55%
5	河南锂动	330.24	2.48%
6	安驰新能源	285.41	2.14%
7	力神电池	221.66	1.66%
8	鹏辉能源	214.10	1.61%
9	弗迪电池	116.96	0.88%
10	天劲新能源	108.85	0.82%

数据来源：上险数据 制图：电车资源

Data from: Tram Resources

3.11 2023年1-12月国内动力电池企业装车量前十五名

序号	企业名称	装车量（GWh）	占比	占比变化/百分点
1	宁德时代	167.10	43.11%	0.19
2	比亚迪	105.48	27.21%	-0.60
3	中创新航	32.90	8.49%	-0.30
4	亿纬锂能	17.26	4.45%	0.01
5	国轩高科	15.91	4.10%	0.02
6	蜂巢能源	8.69	2.24%	0.13
7	LG新能源	8.34	2.15%	0.05
8	欣旺达	8.30	2.14%	0.01
9	孚能科技	5.94	1.53%	0.07
10	正力新能	5.39	1.39%	0.08
11	瑞浦兰钧	5.12	1.32%	0.15
12	多氟多	2.14	0.55%	0.08
13	捷威动力	0.91	0.24%	-0.03
14	卫蓝新能源	0.80	0.21%	0.07
15	安驰新能源	0.40	0.10%	0.00

公众号·中国汽车动力电池产业创新联盟

3.13 2023年1-12月国内磷酸铁锂动力电池企业装车量前十五名

序号	企业名称	装车量（GWh）	占比	占比变化/百分点
1	比亚迪	105.41	40.38%	-0.73
2	宁德时代	88.77	34.01%	0.15
3	中创新航	17.88	6.85%	-0.09
4	国轩高科	14.71	5.64%	0.03
5	亿纬锂能	14.20	5.44%	0.08
6	瑞浦兰钧	4.69	1.80%	0.25
7	正力新能	4.07	1.56%	0.03
8	蜂巢能源	3.76	1.44%	0.09
9	欣旺达	3.45	1.32%	0.02
10	多氟多	2.05	0.78%	0.11
11	安驰新能源	0.40	0.15%	0.00
12	河南锂动	0.31	0.12%	0.00
13	鹏辉能源	0.30	0.11%	0.00
14	力神	0.21	0.08%	0.00
15	极电新能源	0.18	0.07%	0.06

公众号·中国汽车动力电池产业创新联盟

The installed capacity of power batteries for new energy logistics vehicles ranks **6th** in China, up 2 places compare to 2022.

Data from the China Automotive Power Battery Industry Innovation Alliance in 2023 show:
Ranked **15th** in China in terms of power battery installed volume and 11th in terms of LFP battery installed volume

Our Achievements-Energy Storage

2023 shipment ranking list of China's household storage lithium battery companies shows: **ANC ranks 10th** in China in terms of shipments in 2023. Data from Gaogong Industrial Research.

2023 shipment ranking list of China's communications ESS lithium battery companies shows: **ANC ranks 6th** in China in terms of shipments in 2023. Data from Gaogong Industrial Research.

Technical Ability

Innovative R&D capability

ANC technology center gathers experts from the National Thousand Talents Program, industry technical elites and senior technical talents at domestic and abroad. It has a national academician workstation and an independent laboratory equipped with high-precision instruments and equipments. The technology center consists of the testing department, battery product department, PACK product department, failure analysis department and new line construction department. There are about a hundred people, of whom over **60%** have master's degrees and Ph.D.s. As of October 2023, a total of **486 patents** have been applied for and **338** have been authorized, including **154** invention patent applications and 33 authorizations.

02

Product Introduction

Our Battery Cells-Product Series

Power battery cells EV

LFP33173166—110Ah

LFP48173166-150Ah

LFP50222112-138Ah

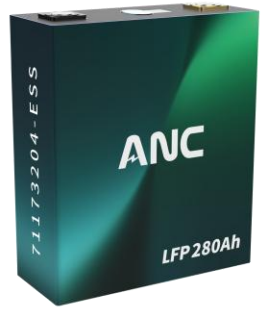
◆ High rate ◆ Long cycle life ◆ High energy density ◆ High and low temperature fast charging ◆ High safety

Energy storage battery cells ESS

LFP48173115—100Ah

LFP48173166—150Ah

LFP50222118—150Ah



LFP71173204—280Ah

◆ High specific energy ◆ High safety ◆ Long cycle life ◆ Cost-effective

Our Battery Cells-Power Battery Cells Parameters

LFP33173166-EV	
Electrical Parameters	
Nomina capacity（Ah）	110
Nominal voltage（V）	3.2
Nominal energy（Wh）	352
Continuous charge and discharge rate	1.5C / 1.5C
30S maximum pulse charging and discharging rate	2C / 2.5C
Energy density（Wh/kg）	⩾180
Cycle life（cycles）	3500
Structure Parameters	
Size（T*W*H）mm	33*173*166
Weight（kg）	2.0

LFP48173166-EV		
Electrical Parameters		
Nomina capacity（Ah）	150	165
Nominal voltage（V）	3.2	
Nominal energy（Wh）	480	528
Continuous charge and discharge rate	1.5C / 1.5C	1C / 1C
30S maximum pulse charging and discharging rate	2C / 2.5C	1.5C / 2C
Energy density（Wh/kg）	⩾170	⩾180
Cycle life（cycles）	3500	2500
Structure Parameters		
Size（T*W*H）mm	48*173*166	
Weight（kg）	2.9	3.0

LFP50222112-EV	
Electrical Parameters	
Nomina capacity（Ah）	138
Nominal voltage（V）	3.2
Nominal energy（Wh）	441.6
Continuous charge and discharge rate	2C / 2C
30S maximum pulse charging and discharging rate	3C / 3C
Energy density（Wh/kg）	⩾166
Cycle life（cycles）	4000
Structure Parameters	
Size（T*W*H）mm	50*222*112
Weight（kg）	2.65

ANC Power Products Parameters（LFP33Power System EV）

Product Strengths:

- Capable of withstanding extreme cold and heat;
- Ultra long range, all scenario travel;
- Innovative material structure with high protection;
- Wide range of system energy, urban transportation type;
- High power, efficient operation, meeting high consumption road conditions such as climbing hills.

Applications

Mini van、mini truck、VAN series

Model	LFP33Power System-EV			
Electrical Parameters				
Nominal energy (kWh)	33.792	36.608	38.016	42.24
Nominal capacity（Ah）	110			
Energy density（Wh/kg）	⩾125	⩾135	⩾135	⩾130
Nominal voltage (V)	307.2	332.8	345.6	384
Working voltage range (V)	240~350.4	260~379.6	270~394.2	300~438
Structure Parameters				
Size（L*W*H）mm	1120*856*205		1150*856*205	1320*830*205
Combination mode	1P96S	1P104S	1P108S	1P120S
Weight（kg）	270	275	285	315
Operating Parameters				
Continuous charge discharge rate	1.2C / 1.2C	1.2C / 1.2C	1.2C / 1.2C	1.2C / 1.2C
Pulse charging and discharging rate (30S)	2C / 2C	2C / 2C	2C / 2C	2C / 2C
Protection level	IP67			
Thermal management methods	Air cooling+heating film			
Safety performance	GB 38031			

ANC Power Products Parameters（LFP48Power System EV）

Applications

Medium and large van、mini truck、VAN series

Product Strength:

- Capable of withstanding extreme cold and heat;
- Ultra long range, all scenario travel;
- Innovative material structure with high protection;
- Wide range of system energy, urban transportation type;
- High power, efficient operation, meeting high consumption road conditions such as climbing

Model	LFP48Power System EV	
Electrical Parameters		
Nominal energy (kWh)	46.08	50.688
Nominal capacity（Ah）	150	165
Energy density（Wh/kg）	⩾130	⩾140
Nominal voltage (V)	307.2	
Working voltage range (V)	240~350.4	
Structure Parameters		
Size（L*W*H）mm	1520*860*205	
Combination mode	1P96S	
Weight（kg）	353	360
Operating Parameters		
Continuous charge discharge rate	1. 2C / 1. 2C	1C / 1C
Pulse charging and discharging rate (30S)	2C / 2C	1.5C /2C
Protection level	IP67	
Thermal management methods	Natural cooling+heating film	
Safety performance	GB 38031	

Model	LFP48Power System EV	
Electrical Parameters		
Nominal energy (kWh)	55.68	61. 248
Nominal capacity（Ah）	150Ah	165Ah
Energy density（Wh/kg）	⩾135	⩾145
Nominal voltage (V)（V）	371.2	
Working voltage range (V)	290-423.4	
Structure Parameters		
Size（L*W*H）mm	1780*860*210	
Combination mode	1P116S	
Weight（kg）	410	421.6
Operating Parameters		
Continuous charge discharge rate	1. 2C / 1. 2C	1C / 1C
Pulse charging and discharging rate (30S)	2C / 2C	1.5C /2C
Protection level	IP67	
Thermal management methods	Optional liquid cooling/PTC heating	
Safety performance	GB 38031	

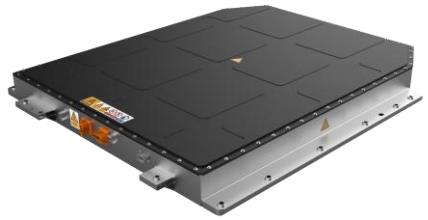
ANC Power Products Parameters（LFP50Power System EV）

Applications

Super VAN, Low chassis commercial vehicles, Passenger vehicles

Product Strength:

- High energy configuration, long driving range;
- Fast and convenient charging;
- High adaptability, supporting battery swapping operations;
- Vertical subtraction design, compatible with low chassis;
- Innovative material structure, high weather resistance and protection;
- High power, efficient operation, meeting high consumption road conditions such as climbing.



Model	LFP50Power System-EV
Electrical Parameters	
Nominal energy (kWh)	51. 226
Nominal capacity（Ah)	138
Energy density（Wh/kg）	⩾128
Nominal voltage (V)	371.2
Working voltage range (V)	290 ~ 423.4
Structure Parameters	
Size（L*W*H）mm	1610*1320*140
Combination mode	1P116S
Weight（kg）	400
Operating Parameters	
Continuous charge discharge rate	1.2C/1.2C
Pulse charging and discharging rate (30S)	2C/2C
Protection level	IP68
Thermal management methods	Air cooling+PTC heating
Safety performance	GB 38031

Model	LFP50Power System-EV
Electrical Parameters	
Nominal energy (kWh)	49.459
Nominal capacity（Ah)	138
Energy density（Wh/kg）	⩾123
Nominal voltage (V)	358.4
Working voltage range (V)	280 ~ 408.8
Structure Parameters	
Size（L*W*H）mm	1610*1205*145
Combination mode	1P112S
Weight（kg）	400
Operating Parameters	
Continuous charge discharge rate	1.2C/1.2C
Pulse charging and discharging rate (30S)	2C/2C
Protection level	IP68
Thermal management methods	ILiquid cooling and liquid heating
Safety performance	GB 38031

Our Battery Cells-Energy Storage Battery Cells Parameters

Model	LFP48173115-ESS
Electrical Parameters	
Nomina capacity（Ah）	100
Nominal voltage（V）	3.2
Nominal energy（Wh）	320
Continuous charge and discharge rate	2.5~3.65
30S maximum pulse charging and discharging rate	0.5C / 0.5C
Continuous charge and discharge rate	1C / 1C
Cycle life（cycles）	2500/4000
Environmental Parameters	
Storage Temperature Range（℃）	-40 ~ 60
Charging operating temperature range（℃）	0~60
discharging operating temperature range（℃）	-20~60
Structure Parameters	
Size（T*W*H）mm	48*173*115
Weight（kg）	2.0

Model	LFP48173166-ESS
Electrical Parameters	
Nomina capacity（Ah）	150
Nominal voltage（V）	3.2
Nominal energy（Wh）	480
Continuous charge and discharge rate	2.5~3.65
30S maximum pulse charging and discharging rate	0.5C / 0.5C
Continuous charge and discharge rate	1C / 1C
Cycle life（cycles）	3000
Environmental Parameters	
Storage Temperature Range（℃）	-40 ~ 60
Charging operating temperature range（℃）	0~60
discharging operating temperature range（℃）	-20~60
Structure Parameters	
Size（T*W*H）mm	48*173*166
Weight（kg）	2.9

Model	LFP50222118-ESS
Electrical Parameters	
Nomina capacity（Ah）	150
Nominal voltage（V）	3.2
Nominal energy（Wh）	480
Continuous charge and discharge rate	2.5~3.65
30S maximum pulse charging and discharging rate	0.5C / 0.5C
Continuous charge and discharge rate	1C / 1C
Cycle life（cycles）	2500
Environmental Parameters	
Storage Temperature Range（℃）	-40 ~ 60
Charging operating temperature range（℃）	0 ~ 60
discharging operating temperature range（℃）	-30 ~ 60
Structure Parameters	
Size（T*W*H）mm	50*222*118
Weight（kg）	2.8

Model	LFP71173204-ESS
Electrical Parameters	
Nomina capacity（Ah）	280
Nominal voltage（V）	3.2
Nominal energy（Wh）	896
Continuous charge and discharge rate	2.5~3.65
30S maximum pulse charging and discharging rate	0.5P / 0.5P
Continuous charge and discharge rate	1P / 1P
Cycle life（cycles）	8000
Environmental Parameters	
Storage Temperature Range（℃）	-40 ~ 60
Charging operating temperature range（℃）	0~60
discharging operating temperature range（℃）	-30~60
Structure Parameters	
Size（T*W*H）mm	71*173*204
Weight（kg）	5.6

Communication Base Station Products

Applications: domestic and international communication base stations

Model 48100	3U-
Electric Parameters	
Cell Capacity (Ah)	100
Rated Energy（kWh）	5.12
Operating voltage range (V)	43.2-58.4
Nominal voltage (V)	51.2
Maximum charging and discharging power	1P/1P
Environment Parameters	
Charging operating temperature range	0℃~+55℃
Discharge working temperature range	-30℃~+55℃
Working humidity range (%)	≤95
Installation mode	Rack mounted
Communication Mode	
Communication methods	RS232/RS485
Structure Parameters	
Combination mode	1P15S/1P16S
Size (W*D*H)mm	442*450*133
Weight（kg）	42

Model 48150	3U-
Electric Parameters	
Cell Capacity (Ah)	150
Rated Energy（kWh）	7.68
Operating voltage range (V)	43.2-58.4
Nominal voltage (V)	51.2
Maximum charging and discharging power	1P/1P
Environment Parameters	
Charging operating temperature range	0℃~+55℃
Discharge working temperature range	-30℃~+55℃
Working humidity range (%)	≤95
Installation mode	Rack mounted
Communication Mode	
Communication methods	RS232/RS485
Structure Parameters	
Combination mode	1P15S/1P16S
Size (W*D*H)mm	442*540*133
Weight（kg）	60

Model	4.5U-48150
Electric Parameters	
Cell Capacity (Ah)	150
Rated Energy（kWh）	7.68
Operating voltage range (V)	43.2-58.4
Nominal voltage (V)	51.2
Maximum charging and discharging power	1P/1P
Environment Parameters	
Charging operating temperature range	0℃~+55℃
Discharge working temperature range	-30℃~+55℃
Working humidity range (%)	≤95
Installation mode	Rack mounted
Communication Mode	
Communication methods	CAN
Structure Parameters	
Combination mode	1P15S/1P16S
Size (W*D*H)mm	442*500*198
Weight（kg）	58

Product Srength:

- Flexible configuration;
- Intelligent control configuration;
- High safety;
- High energy density;
- Highly integrated and standardized;
- High weather resistance and high protection

Industrial and Commercial Energy Storage Product

Products Strength

Flexible configuration, intelligent control, high energy density, high integration and standardization, high weather resistance, and normal operation in extreme weather conditions

Applications: Industrial and commercial subrack

● 1P/2P16S（air cooling）

Model	1P16S（air cooling）	2P16S（air cooling）
Electric Parameters		
Cell capacity (Ah)	140	280
Rated energy（kWh）	7.168	14.336
Voltage range(V)	43.2~58.4	
Rated Voltage(V)	51.2	
Max charge and discharge power	1P / 1P	
Environment Parameters		
Charging operating temperature range	0℃~+55℃	
Discharge operating temperature range	-30℃~+55℃	
Operating humidity range(%)	≤95	
Charging operating temperature range	Cabinet installation	
Communication Mode		
Communication mode	CAN	
Structure Parameters		
Combination mode	1P16S	2P16S
Size (W*D*H)mm	420*550*200	468*635*200
Weight （kg)	42	85

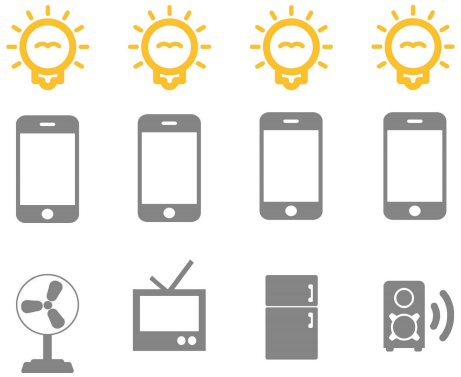
● 1P52S(liquid cooling)

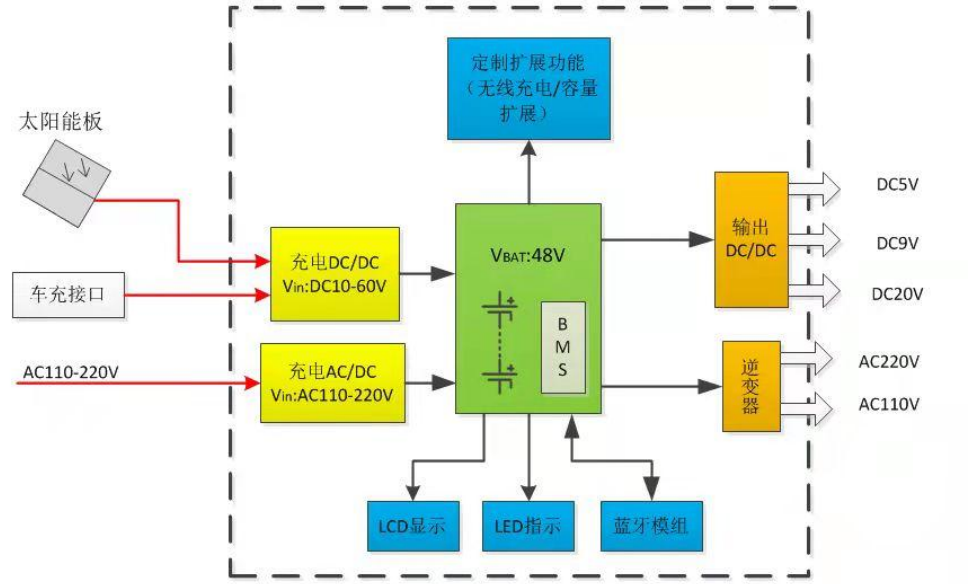
Model	1P52S（liquid cooling）
Electric Parameters	
Cell capacity (Ah)	280
Rated energy（kWh）	46.592
Voltage range(V)	130~189.8
Rated Voltage(V)	166.4
Max charge and discharge power	1P / 1P
Environment Parameters	
Charging operating temperature range	0℃~+55℃
Discharge operating temperature range	-30℃~+55℃
Operating humidity range(%)	≤95
Charging operating temperature range	Cabinet installation
Communication Mode	
Communication mode	CAN
Structure Parameters	
Combination mode	1P52S
Size (W*D*H)mm	1178*808*245
Weight （kg)	320

03

Integration Ability &Applications

Portable energy storage:





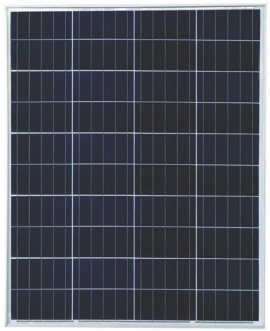
Base on the local market habits and the electrical-power standards

Depends on ANCHI battery cells, Research and designing the efficiency and the popular system

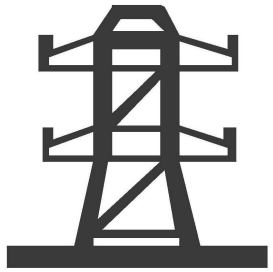
Industry designing and manufacturing, sale to the different types of consumer

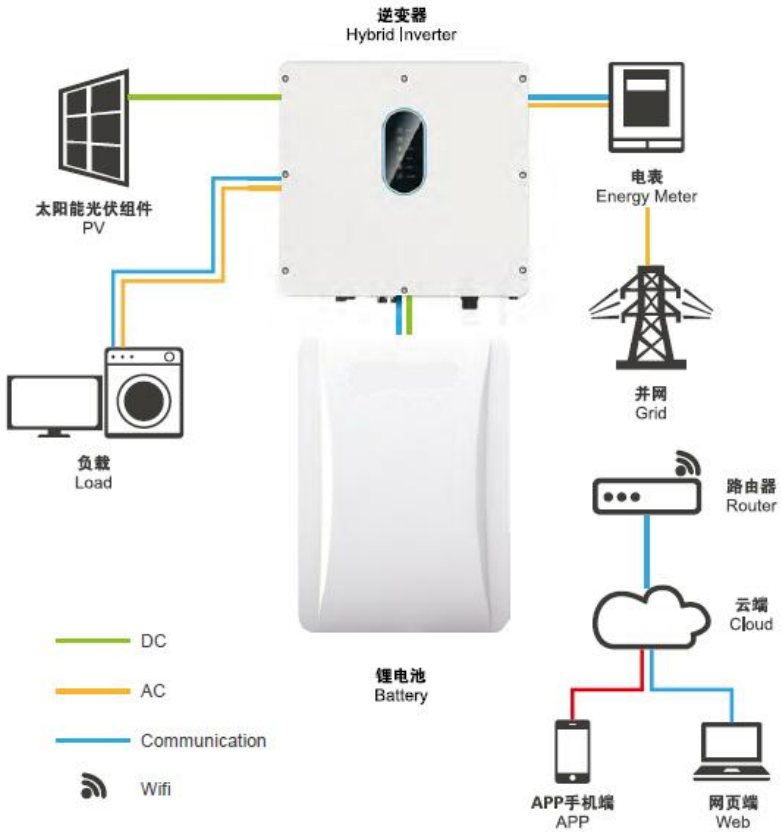
Household Energy Storage:

Solar Power



Electric Supply





Combine the local environment and the power strength, provide the best solution

Design the independ system to the house owner

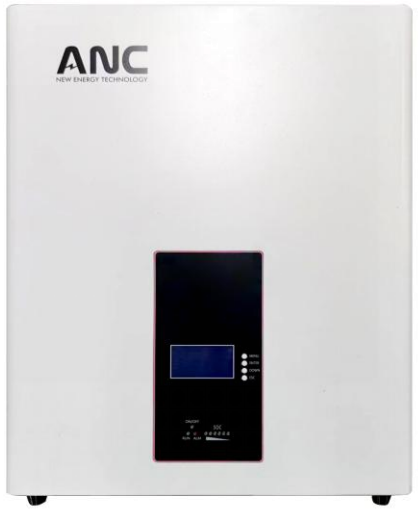
Supply the professional engineering and the quickly service after sales

Home Energy Storage Product Solutions

Product Strength:

Intelligent control configuration with high security, high energy density, high weather resistance, and high protection

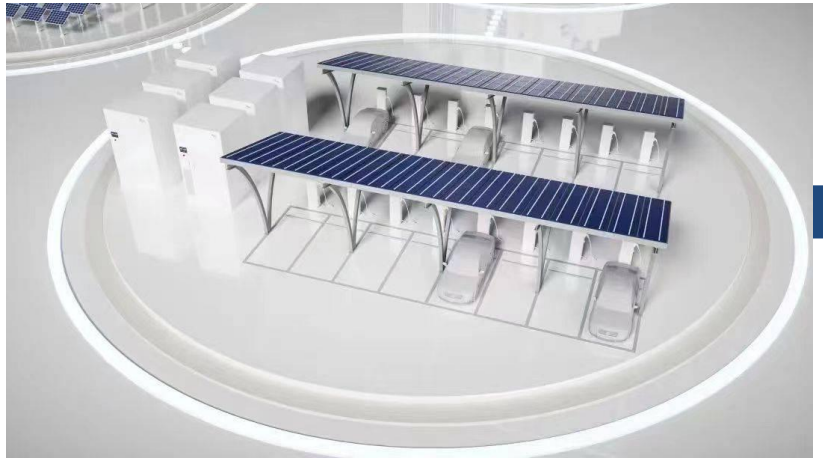
Application：Home energy storage

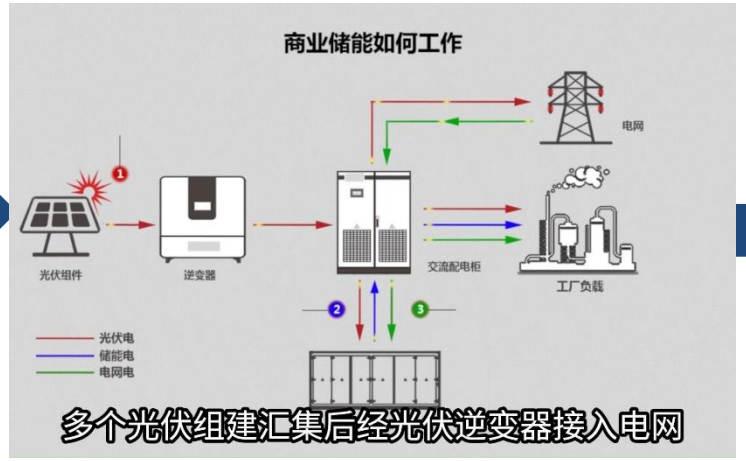


Model	Home energy storage-wall mounted
Electric Parameters	
Cell capacity (Ah)	100
Rated energy (kWh)	5.12
Operating voltage range (V)	43.2-57.6
Nominal voltage (V)	51.2
Maximum charge discharge rate	1C
Environment Parameters	
Charging operating temperature range	0℃~+60℃
Discharge working temperature range	-20℃~+60℃
Installation mode	wall-mounted
Communication Mode	
Communication methods	CAN/RS485
Structure Parameters	
Series parallel mode	1P16S
Size(W*D*H)mm	580*490*150
Weight（kg）	45

Model	Home energy storage-stacked
Electric Parameters	
Cell capacity (Ah)	100
Rated energy (kWh)	5.12
Operating voltage range (V)	43.2-57.6
Nominal voltage (V)	51.2
Maximum charge discharge rate	1C
Environment Parameters	
Charging operating temperature range	0℃~+60℃
Discharge working temperature range	-20℃~+60℃
Installation mode	Indoor stacking
Communication Mode	
Communication methods	CAN/RS485
Structure Parameters	
Series parallel mode	1P16S
Size(W*D*H)mm	442*480*150
Weight（kg）	45

Industrial and Commercial Energy Storage





Out-understanding the situation of the factory or the public place, provide the most economic solutions, combine the system of solar, storage, charge, automation.

According the local conditions, such as power exhaust, building structure. Define the components to cut down the cost of electrical power.

Integrate the energy storage and provide the safety engineering, achieve the goal of zero-carbon area.

Industrial and Commercial Energy Storage Product Solutions

Products Strength:

- Long cycle life, quality assurance;
- Modular design, convenient operation and maintenance;
- Intelligent control platform, real-time monitoring;
- High energy density, super strong supply guarantee;
- Advanced material structure, suitable for various working conditions;
- Innovative air cooling, low power loss (low operation and maintenance costs)

Applications: Small industrial and commercial energy storage systems

- 60kWh solar energy storage integrated cabinet (air cooling)
- 100kWh solar energy storage integrated cabinet (air cooling)

Model	Solar energy storage integrated cabinet	
Electric Parameters		
Rated energy（kWh）	61.44	100
Voltage range(V)	480 ~ 691.2	
Rated Voltage(V)	614.4	
Continuous charging current (A)	140	
Continuous discharge current (A)	140	
Conversion efficiency	94% @25℃ 0.5C in DC side	
Environment Parameters		
Working temperature range（℃）	-30 ~ 55	
Working humidity range (%)	0%RH-96%RH non-condensing	
IP Grade	IP 54	
Cooling mode	Industrial air conditioning cooling	
fire protection system	Aerogel	
elevation(m)	3000	
Communication Mode		
Communication mode	RS485、CAN	
Structure Parameters		
Size (W*D*H)mm	1150*900*2270	
Weight （kg)	1350	

Industrial and Commercial Energy Storage Product Solutions

Applications: industrial and commercial energy storage systems

- Long cycle life, quality assurance;
- Modular design, convenient operation and maintenance;
- Intelligent control platform, real-time monitoring;
- High energy density, super strong supply guarantee;
- Advanced material structure, suitable for various working conditions;
- Innovative air cooling, low power loss (low operation and maintenance costs)

- 232kWhOutdoor integrated cabinet (liquid cooled)
- 372kWhOutdoor integrated cabinet (liquid cooled)

Model	232kWhOutdoor integrated cabinet (liquid cooled)
Electric Parameters	
Rated energy（kWh）	232
Voltage range(V)	702 ~ 936
Rated Voltage(V)	832
Continuous charging current (A)	140
Continuous discharge current (A)	140
Conversion efficiency	94% @25℃ 0.5C in DC side
Environment Parameters	
Working temperature range（℃）	-30 ~ 55
Working humidity range （%）	0%RH-96%RH non-condensing
IP Grade	IP54
Cooling mode	Intelligent liquid cooling
fire protection system	Perfluorohexanone/Aerogel
elevation(m)	2000
Communication Mode	
Communication mode	RS485、CAN、Ethernet
Structure Parameters	
Size (W*D*H)mm	1400*1350*2150
Weight （kg）	2600

Model	372kWhOutdoor integrated cabinet (liquid cooled)
Electric Parameters	
Rated energy（kWh）	372
Voltage range(V)	1123.2 ~ 1497.6
Rated Voltage(V)	1331.2
Continuous charging current (A)	140
Continuous discharge current (A)	140
Conversion efficiency	1P
Environment Parameters	
Working temperature range（℃）	-30 ~ 55
Working humidity range （%）	0%RH-96%RH non-condensing
IP Grade	IP54
Cooling mode	Intelligent liquid cooling
fire protection system	Perfluorohexanone/Aerogel
elevation(m)	2000
Communication Mode	
Communication mode	RS485、CAN、Ethernet
Structure Parameters	
Size (W*D*H)mm	1400*1350*2280
Weight （kg）	3300

Container Energy Storage Product Solutions

Product Strength

Longe cycle life management, cost reduction and efficiency improvement, BMS&EMS dual control integration, and efficient thermal management

- Container Energy Storage System ESS (Liquid Cooled)

Model	Container Energy Storage System ESS (Liquid Cooled)		
Electric Parameters			
Cell capacity(Ah)	280	280	314
成组方式	416S1P*8	416S1P*10	416S1P*12
Nominal voltage (V)	1331.2	1331.2	1331.2
Operating voltage range（V）	1164.8~1497.6	1164.8~1497.6	1164.8~1497.6
Rated energy (MWh)	2.981	3.727	5.016
Rated charging and discharging rate	⩽0.5P	⩽0.5P	⩽0.5P
Environment Parameters			
Protection level	IP54	IP54	IP54
Cooling method	Intelligent liquid cooling	Intelligent liquid cooling	Intelligent liquid cooling

Applications

- Power generation side
- Grid side
- Commercial buildings (office buildings, shopping malls, hotels, hospitals, etc
- Solar enegy storage intelligent supercharging station
- Data center
- Expansion of substation area
- Industrial park

Application-Moveable energy supply vehicle

Temporary energy required site:

Film maker place

Power of signal line repair

Engineering place

According the power situation, arrange the suitable number of moveable energy supply vehicle, improve the efficiency and reduce the cost

Application-EV

GEELY

Model：星享V6E
Storage energy：
46.08KWh

Model：星享F1E
Storage energy：
46.08KWh

Super VAN

GEELY

银河E5

LIVAN

CHANGAN

Model：CHANGAN星九
Storage energy：35.9KWh

Model：CHANGAN星卡
Storage energy：
33.8KWh

Model：oshΛn A600
Storage energy：
55.4KWh

FAW

Model:Passenger
vehicles
Storage energy：
42.5KWh

Model:FAW B30
Storage energy：
42KWh

Model:FAWHONGTA
Storage energy：
35.9KWh

Application-ESS

➢ LFeLi-48100 (51.2V 100Ah)

Product Specification	
ITEM	SPECIFICATION
Model	LFeLi-48100
Rated capacity（5HR）	100 Ah
Nominal voltage	51.2V
Discharge Cut-off Voltage	43.2V
limited charge voltage	57.6V
Maximum charging current	100A
Maximum continuous discharge current	100A
Weight	About43kg
Display function	None(Optional)
Parallel function	Parallel is optional (up to 16p), and the maximum charging current in parallel is 20A.
Size(W*D*H) mm	442*480*177
Battery Cell	3.2V 100Ah
Lifetime	More than 15 years
Cycle time	More than 3500 times（100% DOD）
IP Grade	IP 30
Shell material	Black Q235
Operating temperature	Charge:0 to +45 ℃ Discharge: -20 to +60℃ Storage: -20 to +60 ℃

Application-ESS

Model	S2200
Battery Type	lithium iron phosphate
Battery capacity	472000mAh(1510Wh)
Input	12V-30V(200W MAX) Note: Under the same conditions, two chargers of the same specifications can be charged at the same time, and two solar panels of the same specifications can be charged at the same time (The maximum input power is 200W)
Output1	EV Plug+DC Interface(x2）：12V10A
Output 2	USB- C(x2)：PD (5V3A/9V3A/12V3A/15V3A/20V5A) USB1(x3)：5V2.4A USB2 fast charger：5V3A/9V2A/12V1.5A
Output3	AC220V/50Hz，sustaining 2200W, peak 4400W Output waveform: sine wave.
Output4	12V start (start current: 500A; peak current 1000A)
Protection function	Overcurrent, short -circuit, over pressure, overcharge, overloading, under pressure, over temperature, etc.
Led light	12W LED
Discharge temperature	-20~55℃
Charging temperature	0~55℃
Weight	17.5KG
Size	360*270*280mm

Application-ESS

VT48100E-W Household Energy Storage	
Model	VT48100E-W
Nominal capacity	100Ah
Nominal voltage	51.2V
Nominal energy	5.12kWh
Charging voltage	56.8-57.6V
Peak charging current	400A,5s
Maximum charging current	100A
Maximum discharge current	100A
Peak discharge current	400A,5s
End off Voltage	42V
Size（W*D*H）	443*450*150 mm
Weight	About 43kg
Operating temperature	Charge：0~+60℃ Discharge：-20~+60℃
Allowed humidity range	≤95% RH
IP Grade	IP20

Application-ESS

Model	VE51100W
Rated battery capacity(kWh)	5.12
Rated capacity(Ah)	100
Rated Voltage（Vdc)	51.2
Working Voltage（Vdc)	44.8-57.6
Rated charging voltage/@25℃ (Vdc)	57.6
Charging current/maximum continuous current(A)	100
End off voltage/@25℃ (Vdc)	44.8
Discharge current/maximum continuous current (A)	100
Discharge depth （%）	80
Charging temperature（C）	0~50
Discharge temperature(C)	-20~55
Size /W*H*D (mm)	410*666.2*179.5
Weight（kg)	50.0
IP Grade	IP65
Cooling Method	Free Cooling
Cycle life	≥6000,80%DOD@25℃
Lifetime	15年以上(25°°℃/°F)
Installation methods	Floor/wall mounted
Humidity	5%～95%(RH)
Altitude (m)	<2000
Alarm function	Overcharge/overdischarge/high temperature/overcurrent short circuit, etc
Compatible inverter	Deye/Senergy Invt/Megarevo,ect

04

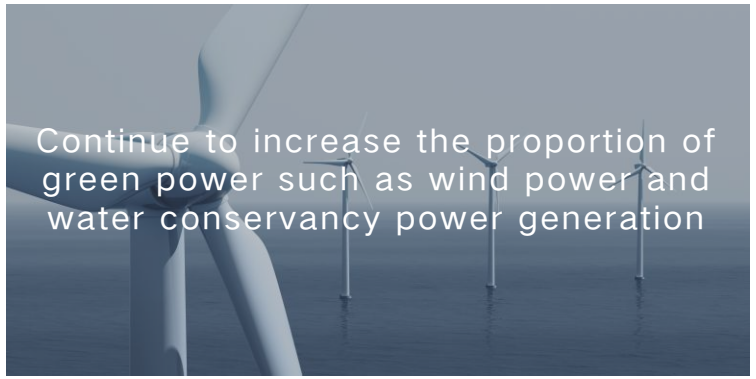
Low Carbon Program

Low Carbon Initiatives

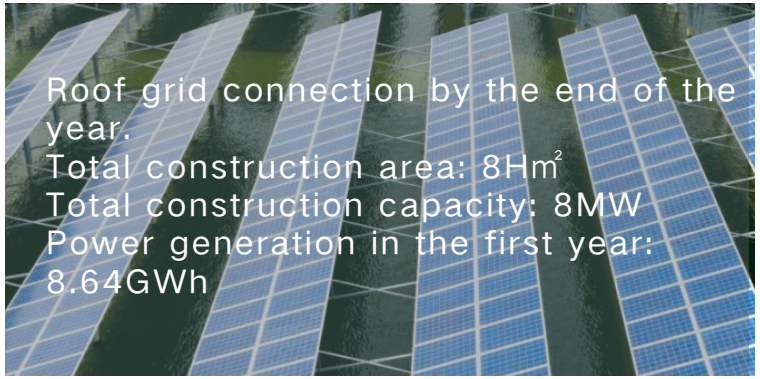
Continue to promote the construction of zero-carbon factories

On the basis of its own emission reduction as much as possible, the remaining part of the emissions is completely offset by the CCUS or accounting border external emission reduction project.

Green Electricity



Photovoltaic energy storage



Biomass energy

Thanks