安威新能源

SAFEVOLT · ANWEI NEW ENERGY

Nanjing Anwei Power

Let green energy serve everyone

Founded 2022 • Jiangning, Nanjing • www.safevolt.cn



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ABOUT ANWEI

Nanjing-based since 2022: EV connections and battery systems

Founded

2022

Location

Rm 521, Bldg D2, Green Window Plaza

Mission

Let green energy serve everyone

Business scope

Product solutions and technical services; design, production and sales of connectors and HV harness; R&D, production and sales of cells, modules and battery packs.



Nanjing · city view (illustrative)

OUR MISSION

Let green energy serve everyone

From cells and connections to modules and packs, we bring green energy to gardens, golf courses, job sites, highways and homes.

5 vehicle OEMs, 10+ projects delivered.



Module testing and validation (illustrative)

2022	5	3	3
Founded	Application fields	Business lines	Cell suppliers

BUSINESS

Three business lines, from components to systems

01 Product solutions

Battery and connection solutions tailored to customer projects.

02 Technical services

Selection, matching and implementation support for customer projects.

03 R&D · production · sales

Connectors and HV harness; cells, modules and battery packs.

One system: components and battery systems together

From connectors and HV harness to cells, modules and packs — one contact covers all categories.

PRODUCT / CONNECTION

Six series: charging ports to HV and LV harnesses

For passenger cars and commercial vehicles; data per the 2025 catalogue.



Charging port series — 6 items

Full GB and EU range, chosen by vehicle layout



HV metal connector series — 6 items

Controller, multi-in-one and PDU links; anti-mispin, shielded



HV plastic connector series — 6 items

HV interlock, secondary lock, sealing; staged unlock, TPA



Energy storage connector series — 4 items

Rack-to-rack links; 1500V / 400A; TÜV, UL, CE



HV harness series — 6 types

60,000 km test; 1500V / 20–350A; IP68 / IP69K



LV harness series — 6 types

IP67; self-extinguishing in 2.5 s; sleeving V-0 / HB

Images illustrative, from the 2025 catalogue; selection and data follow the official catalogue.

PRODUCT / SERIES

34 products across six series, chosen by topology

Model | specification; selection per the 2025 catalogue.

Charging port series — 6 items

125A~500A | GB DC quick-swap inlet
80A~250A | GB DC inlet
80A~500A | EU DC inlet
GB | AC/DC combo inlet
16A / 32A | GB AC inlet
80A~350A | EU DC charging gun

Energy storage connector series — 4 items

SS1 | 60–400A quick-connect
SS2 | 300A busbar type
SSR | 50–95 mm²
SS3 | 350A Max MSD switch

HV metal connector series — 6 items

SG1M | 300A feed-through
SG2M | 300A feed-through
SG3M | 300A feed-through
SG4M | 210A integrated
SG5M | 300A feed-through base
SY1 | 20–40A circular

HV harness series — 6 types

Charging-inlet HV harness
MCU HV harness
DCDC HV power harness
PTC / AC HV power harness
Pack power HV harness
Inter-pack HV harness

HV plastic connector series — 6 items

SH1 | 2-pin 20–40A
SH1 | 3-pin 20A
SH1 | 4-pin 20–40A
SH1 | 4-pin right-angle 20–40A
SGP1 | 200–300A feed-through
SH3 | 250–350A blade-type

LV harness series — 6 types

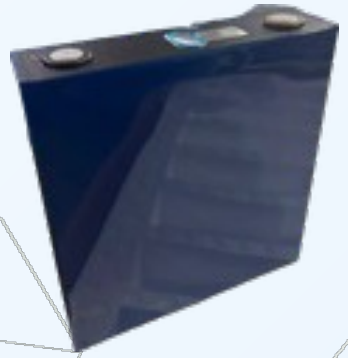
Braided / plastic power cable
Condenser fan harness
A/C sensor harness
ABS wheel-speed harness
Reversing camera harness

PRODUCT / CELL

Three mainstream LFP cells, selected by capacity and size

CATL LFP

LF302AH	71.65 × 207 × 173
LF268AH	48 × 200 × 215
LF228AH	33 × 204 × 200
LF200AH	35.9 × 218 × 200
LF173AH	40 × 207 × 173
LF96AH	33 × 134 × 197



EVE LFP

LF304AH	71 × 174 × 207
LF280AH	71 × 174 × 207
LF230AH	54 × 173 × 204
LF206AH	35 × 200 × 215
LF105AH	36 × 130 × 200
C46-28Ah	46 × 137 (6C rate)



GOTION LFP

150AH	54 × 173 × 145
105AH	27 × 175 × 200
102Ah	50 × 160 × 116
91.5Ah	25 × 106 × 256
72AH	40 × 148 × 109
67AH	44 × 100 × 140



Photos: cells as received (project photos) — CATL, EVE (stack & top view), GOTION. Unit: mm.

PRODUCT / PACK

From cell to module to pack, built for the application

Cell supply: CATL / EVE LFP cells (by project)

01 Cell selection

Cells chosen by capacity, dimensions and discharge rate.

02 Module assembly

Series/parallel assembly matched to bay space and voltage platform.

03 Pack integration

Packs delivered for vehicles and energy-storage applications.



Battery pack (illustrative)

APPLICATIONS

Five applications: gardens, golf courses, job sites, highways and homes



Lawn mowers



Golf carts



Off-highway vehicles



Commercial vehicles



Residential storage

Other applications and new platforms can be assessed per project.

Cells: CATL / EVE

EXPORT

Export focuses on cells and packs, compliant to destination-country rules

01 Export scope

Mainly cells and battery packs.

02 Compliance

Products configured to meet the requirements of each destination market.

03 Applications

Lawn mowers, golf carts, off-highway vehicles, commercial vehicles, residential storage.



Export logistics (illustrative)

EXPORT / CERTIFICATION

Export cells carry CE, UN38.3, MSDS and IEC62133

Every cell shipped for export is covered by the four documents below; copies follow the goods.

CE

EU conformity marking. Declaration of conformity supplied with each export shipment.

UN38.3

UN transport test summary for lithium cells. Required for air and sea freight.

MSDS

Material safety data sheet: chemistry, handling and transport classification.

IEC62133

Secondary-cell safety standard. Cell-level test report per model.

Certificates and test reports are issued per cell model; request the file for your model at quotation.

EXPORT / SUPPORT

How we work with overseas customers

01 Specification

Application, voltage platform, capacity and interface confirmed.

02 Sample & validation

A sample is built and tested against your drawing before series release.

03 Series supply

Batch production with test records; shipping documents prepared per destination.

To quote accurately, we need

- Application and target market
- Voltage platform and capacity
- Interface drawing or sample
- Annual volume and delivery terms

WHY ANWEI

Four reasons to source from Anwei

01 One integrated chain

Connectors, HV harness, cells, modules and packs supplied within one system.

5 vehicle OEMs · 10+ projects

02 Application-fit design

Cells selected and assembled for mowers, golf carts, off-highway vehicles, trucks and home storage.

03 Export compliance

Compliant products for each destination market.

04 Solutions plus services

Product solutions and technical services delivered together.

CASES

Cases: golf course, waterway, truck swap

5 vehicle OEMs · 10+ projects



Golf cart

48V 150Ah pack
48V 105Ah pack

Cells: CATL / EVE



Forklift

80V 346Ah pack
48V 690Ah pack
48V 304Ah pack

Cells: CATL / EVE



Electric boat

24V 230Ah pack

Cells: CATL / EVE



Heavy-truck swap

4 × 400kWh containers
1P96S battery system
324Ah cells

Cells: CATL / EVE

Specifications as delivered; LFP cells from CATL or EVE. Images are illustrative.

IP / TRADEMARK & PATENT

Own trademarks, patents filed, R&D verifiable

9 items
Patents & software copyrights

01 Trademarks

Device mark (SAFEVOLT shield)
Registered Oct 2025

Yuncong Energy
Registered Jul 2026

Zhongding Lithium
Registered Aug 2026

Xuangui Lithium
Registered Aug 2026

All in Class 9 (0922) for batteries and charging devices; 4 more applications pending.

02 Patents & software copyrights

Invention 1

Pack range-performance test method and system
Filed Jul 2026, published Sep 2026, now in substantive examination

Utility models 6 filed

BMS bracket & pack · pack enclosure · busbar assembly

Pack fixture · tab weld pull-test rig · module EOL insulation rig

Software copyrights 2 registered

Pack charge/discharge and range test platform (granted Aug 2026)

Pack short-circuit fault analysis system

Status as of Nov 2026; refer to CNIPA public records for details.

CONTACT

Talk to us about selection and integration

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Call or email us; we support selection, samples and export compliance per project.

OUR MISSION

Let green energy serve everyone

让绿色能源服务每一个人

2022	5	9	4
Founded	Vehicle OEMs	IP items	Trademarks

SAFEVOLT

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