

Recharge Your Power

NOVA AKU

- › AGM DRY BATTERIES
- › SOLAR GEL BATTERIES
- › DEEP CYCLE GEL BATTERIES
- › MARINE GEL BATTERIES
- › TRACTION BATTERY



www.novaaku.com

> Company Mission

We are committed to creating more values for our customers, partners and employees as well as the whole society with Nova Battery Principles:

- > Stable quality
- > Environment protection
- > Reasonable price
- > Timely delivery
- > Fast response service

> Company Vision

To be the world-class new energy battery seller for UPS, Solar Energy Storage, Marine and Motive power industry.

We offers the widest range of battery for almost any industrial applications, more than 400 battery types. Battery nominal capacity 2V,6V,12V, and nominal capacity from 4,5AH to 250AH.



CE GEL



CE DRY TYPE



TS ISO 10002



TS EN ISO 9001



TS EN ISO 14001

> AGM DRY BATTERIES

01. Brief Introduction

High rate series batteries adopt advanced AGM valve regulated technology, high purity raw material, thin plate design, special grid alloy and paste formula, high-temperature curing technology. They have excellent performance during high current discharge and are suitable for UPS/EPS where high rate discharging is required.

02. General Features

Capacity range

4,5~200ah

Voltage

12V

Low self-discharge rate

≤5% per month

High oxygen recombination efficiency

≥98%

Wide operation temperature range

-5 C ~ 40 C

Excellent performance at high rate&power discharging

03. Typical Applications

- > UPS (high rate)
- > Starting devices
- > Medical equipments
- > Emergency power supply
- > High power backup supply
- > Emergency lighting systems
- > Telecom station and power station
- > Elevator Emergency Power Supply





➤ SOLAR GEL BATTERIES

01. Brief Introduction

A solar battery is a rechargeable battery that integrates a solar cell with battery power storage. A second meaning of solar battery are rechargeable batteries which have been developed specifically for use in photovoltaic systems or are just used for. They are used especially in stand-alone systems for storage of energy produced by solar panels and batteries as a buffer when major consumer operation. Often, the term is also commonly used for built-in solar power applications batteries, even if they are not specified for it.

02. General Features

Capacity range

20~250ah

Voltage

12V

Low self-discharge rate

≤3% per month

High oxygen recombination efficiency

≥98%

Wide operation temperature range

-20 C ~ 50 C

Wide charging receptivity

Deep discharging recovery ability

03. Solar Gel Batteries Benefits

- Solve electrolyte stratification, sulfuric acid evenly distributed.
- The silica gel electrolyte lead-acid batteries can be so deep discharge, thus greatly extending the cycle life of the battery.
- The battery float current is small (about 1/3 AGM battery), the floating charge lower energy consumption, less warming, reduce battery thermal runaway risk.
- Low self-discharge rate of the battery.

04. Typical Applications

- Solar systems
- Solar lighting systems
- Solar/wind energy storage systems
- Caravan

➤ DEEP CYCLE GEL BATTERIES

01. Brief Introduction

Deep cycle gel batteries adopt advanced GEL technology, high purity raw material, thick plate design, special grid alloy and paste formula, high temperature curing technology and low acid density. They have excellent recovery ability from deep discharge, and the unique GEL electrolyte filling technique and excessive amount of gelatinized electrolyte ensure them having good performance at high and low temperature. They are widely used for frequent deep discharge cyclic applications under high or low temperature conditions.

02. General Features

Capacity range

20~250ah

Voltage

2V;6V;12V

Low self-discharge rate

≤3% per month

High oxygen recombination efficiency

≥98%

Wide operation temperature range

-20 C ~ 50 C

Wide charging receptivity

Deep discharging recovery ability

03. Typical Applications

- Electric wheel chairs
- Golf trolleys and golf carts
- Electric forklifts
- Solar lighting systems
- Telecom station and power stations
- Solar/wind energy storage systems
- Electric tools
- Starting devices
- Caravan





➤ MARINE GEL BATTERIES

01. Brief Introduction

Gel batteries go beyond the conventions of traditional flooded and AGM batteries to provide a longer life and more durability. Our gel batteries will stand up to being discharged for long periods of time and bounce back to full capacity when charged. By locking the electrolyte in a thixotropic gel the risk of vibration damage is nearly eliminated. Rough seas or long dirt roads are no match for gel batteries. Because there is no fluid, gel batteries can be installed in any position (except upside down); they are great for installations in hard to reach areas. If you want a battery that will stand up to marine use and so much more, our gel batteries are the answer.

02. General Features

Capacity range

40~250ah

Voltage

2V;6V;12V

Low self-discharge rate

≤3% per month

High oxygen recombination efficiency

≥98%

Wide operation temperature range

-20 C ~ 50 C

Wide charging receptivity

Deep discharging recovery ability

03. Marine Gel Advantages

- Marine gel batteries are designed to handle the power drains that other batteries cannot
- Ideal for boat and yacht
- Superior vibration resistance
- Can be installed in multiple positions (except upside down)
- Suited for hard to reach locations
- Gel encased electrolyte provides superior vibration resistance
- Safer to install and transport with no-spill design to prevent leaking acid

➤ TRACTION BATTERIES

Key features of PzS and PzB lead acid batteries are:

- Long life of 1500 cycles in accordance, guaranteed by using the highest quality materials and latest manufacturing technology,
- Low internal resistance value thanks to the use of the highest quality components (including separators) of reputable global producers,
- Low self-discharge resulting from the use for the production the best components (including tubular pockets) of the world's leading manufacturers and special alloys,
- High level of safety and mechanical resistance,
- Cell containers produced by the leading European manufacturer are made of polypropylene resistant to high and low temperature,
- Polyethylene coating of trays applied by fluidization is resistant to shock, acid and any weather condition and provides protection against electrical shock,
- The highest quality flexible connectors and screws connecting cells in the battery are fully insulated and provide full protection against short circuits.

NOVA batteries have a HIGH DEGREE OF EFFICIENCY, as a consequence:

- We extend battery life by minimizing energy losses generated during battery operation,
- We shorten charging time increasing the availability of a battery, thus, reducing the cost of charging a battery,
- We lower operating costs.

01. Typical Applications

- Industrial trucks (electric forklifts)
- Lifting platforms
- Cleaning machines
- Solar systems

Batteries for Forklifts

Our company manufacture forklift batteries with high precision and attention to detail. In the production process, we use the latest technical solutions and advanced equipment. As a result, our products are known for their excellent technical parameters, durability, and efficiency. Our batteries for forklifts are compatible with many vehicles. They are entirely made of materials from our factories and production facilities. Therefore, we have control over each stage of production, from the design to delivery to the customer.

Our technologies significantly extend the life of batteries for forklifts. Due to innovations like battery stirring system, time needed for charging is significantly reduced. Thanks to this, the user can achieve significant savings both in time and money.

NOVA AKU

Long Life

Customized Batteries for Your Needs, Unlimited Energy

Plate Type	Capacity [C5] [Ah]	Weight (kg) (± %5)	Length (mm)	Width (mm)	Cell Height (mm)	Total Height (mm)
NV50						
2 PzS	110	8,30	198	47	315	345
3 PzS	165	11,60	198	65	315	345
4 PzS	220	15,00	198	83	315	345
5 PzS	275	18,30	198	101	315	345
6 PzS	330	21,80	198	119	315	345
7 PzS	385	25,30	198	137	315	345
8 PzS	440	28,50	198	155	315	345
9 PzS	495	31,70	198	173	315	345
10 PzS	550	35,10	198	191	315	345

Plate Type	Capacity [C5] [Ah]	Weight (kg) (± %5)	Length (mm)	Width (mm)	Cell Height (mm)	Total Height (mm)
NV60						
2 PzS	120	8,80	198	47	340	370
3 PzS	180	11,89	198	65	340	370
4 PzS	240	15,44	198	83	340	370
5 PzS	300	18,98	198	101	340	370
6 PzS	360	22,64	198	119	340	370
7 PzS	420	26,26	198	137	340	370
8 PzS	480	29,83	198	155	340	370
9 PzS	540	33,55	198	174	340	370
10 PzS	600	37,08	198	190	340	370

Plate Type	Capacity [C5] [Ah]	Weight (kg) (± %5)	Length (mm)	Width (mm)	Cell Height (mm)	Total Height (mm)
NV80						
2 PzS	160	10,59	198	47	402	432
3 PzS	240	14,37	198	65	402	432
4 PzS	320	18,77	198	83	402	432
5 PzS	400	23,14	198	101	402	432
6 PzS	480	27,67	198	119	402	432
7 PzS	560	32,14	198	137	402	432
8 PzS	640	36,56	198	155	402	432
9 PzS	720	41,14	198	174	402	432
10 PzS	800	45,51	198	190	402	432

Plate Type	Capacity [C5] [Ah]	Weight (kg) (± %5)	Length (mm)	Width (mm)	Cell Height (mm)	Total Height (mm)
NV90						
2 PzS	180	12,04	198	47	477	507
3 PzS	270	16,42	198	65	477	507
4 PzS	360	21,35	198	83	477	507
5 PzS	450	26,33	198	101	477	507
6 PzS	540	31,35	198	119	477	507
7 PzS	630	36,40	198	137	477	507
8 PzS	720	41,40	198	155	477	507
9 PzS	810	46,54	198	174	477	507
10 PzS	900	51,50	198	190	477	507

Plate Type	Capacity [C5] [Ah]	Weight (kg) (± %5)	Length (mm)	Width (mm)	Cell Height (mm)	Total Height (mm)
NV105						
2 PzS	210	13,35	198	47	518	548
3 PzS	315	18,24	198	65	518	548
4 PzS	420	23,79	198	83	518	548
5 PzS	525	29,33	198	101	518	548
6 PzS	630	34,97	198	119	518	548
7 PzS	735	40,54	198	137	518	548
8 PzS	840	46,15	198	155	518	548
9 PzS	945	51,89	198	174	518	548
10 PzS	1050	57,46	198	190	518	548

Plate Type	Capacity [C5] [Ah]	Weight (kg) (± %5)	Length (mm)	Width (mm)	Cell Height (mm)	Total Height (mm)
NV115						
2 PzS	230	14,28	198	47	545	575
3 PzS	345	19,48	198	65	545	575
4 PzS	460	25,39	198	83	545	575
5 PzS	575	31,37	198	101	545	575
6 PzS	690	37,39	198	119	545	575
7 PzS	805	43,43	198	137	545	575
8 PzS	920	49,43	198	155	545	575
9 PzS	1035	55,56	198	174	545	575
10 PzS	1150	61,46	198	190	545	575

Plate Type	Capacity [C5] [Ah]	Weight (kg) (± %5)	Length (mm)	Width (mm)	Cell Height (mm)	Total Height (mm)
NV125						
2 PzS	250	15,19	198	47	577	607
3 PzS	375	20,66	198	65	577	607
4 PzS	500	27,05	198	83	577	607
5 PzS	625	33,41	198	101	577	607
6 PzS	750	39,84	198	119	577	607
7 PzS	875	46,28	198	137	577	607
8 PzS	1000	52,50	198	155	577	607
9 PzS	1125	59,19	198	174	577	607
10 PzS	1250	65,61	198	190	577	607

Plate Type	Capacity [C5] [Ah]	Weight (kg) (± %5)	Length (mm)	Width (mm)	Cell Height (mm)	Total Height (mm)
NV140						
2 PzS	280	17,82	198	47	685	715
3 PzS	420	24,27	198	65	685	715
4 PzS	560	31,62	198	83	685	715
5 PzS	700	39,02	198	101	685	715
6 PzS	840	46,52	198	119	685	715
7 PzS	980	53,85	198	137	685	715
8 PzS	1120	61,25	198	155	685	715
9 PzS	1260	68,91	198	174	685	715
10 PzS	1400	76,27	198	190	685	715

Plate Type	Capacity [C5] [Ah]	Weight (kg) (± %5)	Length (mm)	Width (mm)	Cell Height (mm)	Total Height (mm)
NV155						
2 PzS	310	18,68	198	47	722	752
3 PzS	465	25,62	198	65	722	752
4 PzS	620	33,49	198	83	722	752
5 PzS	775	41,51	198	101	722	752
6 PzS	930	49,37	198	119	722	752
7 PzS	1085	57,25	198	137	722	752
8 PzS	1240	65,12	198	155	722	752
9 PzS	1395	73,31	198	174	722	752
10 PzS	1550	81,22	198	190	722	752

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