

JYC BATTERY

COMPANY INTRODUCTION



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Truck



Company Profile

Established in 2000, JYC Battery is a high - tech enterprise specializing in comprehensive services encompassing storage battery research and development, manufacturing, sales, and after - sales support. It has two production bases in China and Malaysia, a R&D center, and supporting industries. With 11 domestic offices/subsidiaries and 2 overseas ones, the company has 350,000 + square meter production bases, 1,500 global employees, and an annual production capacity of up to 5.5 million kVAh.

25⁺

Established in 2000

200⁺

Export Countries and Regions

400⁺

Patents & Honors

1500⁺

Global Employees

230,000_{tCO₂}

Carbon Emissions Reduced (tCO₂/Year)

5,500,000⁺

Production Capacity (kVAh/Year)

*592,000 (Equivalent Trees Planted/Year)



Milestones

2000

Found in Guangzhou and started to produce VRLA batteries

2005

Established a sub-factory and started to produce battery plates

2018

Established an overseas factory in Malaysia

2019

Built the second phase plant and introduced CCDR & punching technology

2022

The application of CCDR punching technology to VRLA batteries

2023

Started the third phase factory covering about 50,000 sq.m.

2025

The expansion of the factory in Malaysia is launched.

Awards and Certifications

70⁺

Patent

120⁺

Honor

200⁺

Certification



2025

“Postdoctoral Research Station
of Shantou University”

2025

“AEO Advanced
Certified Enterprise”

2024

“Provincial-level Manufacturing
Single Champion”

2024

“Golden Sun Product
Certification”

2023

“SMEs in Specialized
New Sectors”

2023

“High - quality PV
Battery Enterprises”

2023

“Outstanding Energy
Storage Enterprise”

2023

“Leading Brand of Fire
Emergency Light Battery ”

Global Layout

JYC is vigorously advancing the development of its global business layout. Its products have been sold to over 80 countries and regions, such as Russia, Germany, Belgium, Australia, Brazil, Turkey, the United States and others.

6⁺
Marketing Regions

Europe, Middle East and Africa, Asia Pacific, China, North America, South America.

2 Billion
2024 Export Value (CNY)

South America: RMB 400 Million
Middle East & Turkey: RMB 500 Million
Europe: RMB 800 Million



Manufacturing Delivery



42⁺

Fully - Automated Production Lines

350,000⁺

The Area of The Factory (sq.m.)

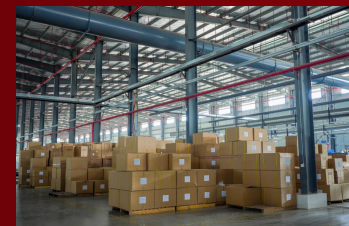
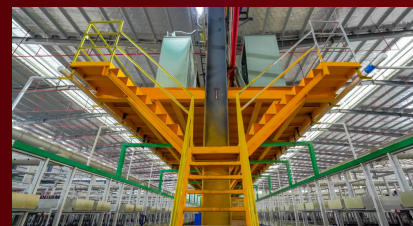
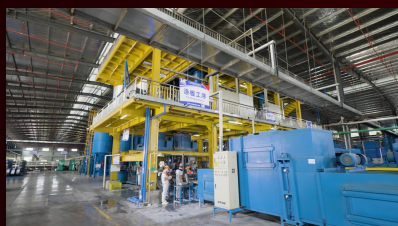
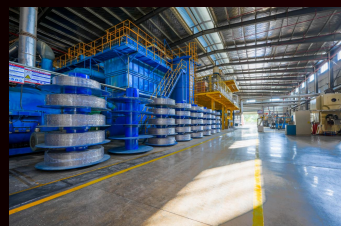


2,500,000⁺

The Output of Batteries (Units/Month)

5,500,000⁺

Production Capacity (kVAh/Year)



Malaysia Factory Expansion

The expansion of the factory in Malaysia, set to start expansion in April 2025, is a crucial part of JYC's effort to perfect its "Global Manufacturing, Collaboration, and Service" layout. With an investment of approximately 600 million RMB and a total floor area of 100,000 m², it is planned to be completed within 12 months and officially put into operation in mid-2026. The factory mainly produces automotive, motorcycle and industrial batteries, etc. By introducing 12 industry-leading automated production lines, it can achieve an annual output of over 15 million batteries of various types. By then, it will further cover markets in Southeast Asia, Europe, North America, etc., fully meeting the product demands of global customers.

12 Lines

Automated Production Lines

15 Million

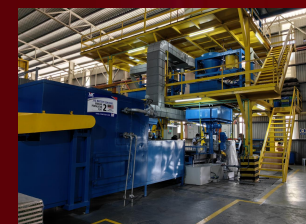
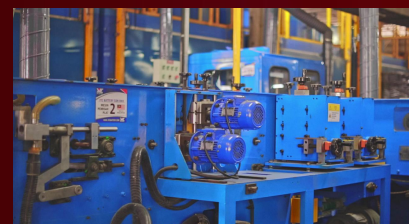
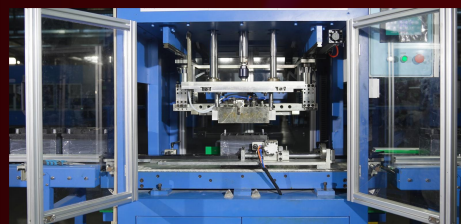
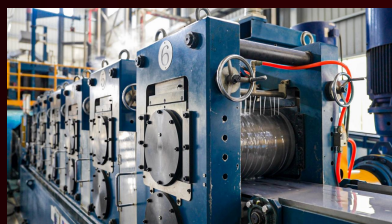
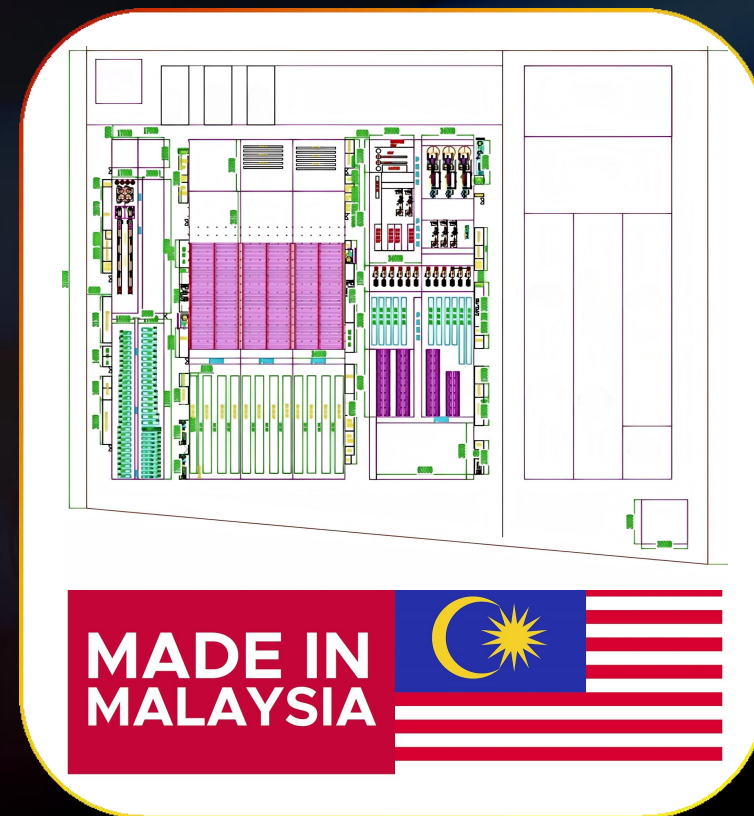
Battery Production Capacity (Pieces/Year)

600 Million

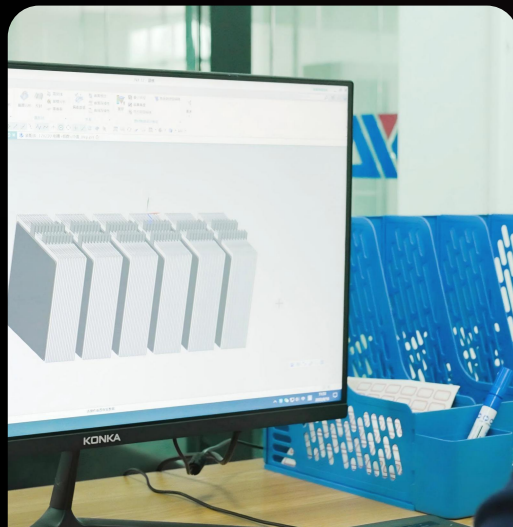
Invested Funds (RMB)

930,000 tCO₂

Carbon Emissions Reduced (tCO₂/Year)



R & D Innovation



Product R & D

- 5,000 m R&D laboratory center building
- Professional SLA battery R&D team
- Advanced lab equipments



Manufacturing Innovation

- Automatic plate production lines
- Automatic ABS case injection machines
- Automatic SLA battery production lines
- Automatic cast welding/TTP-welding
- Automatic battery packing lines



Quality Management

- ISO9001 Certified Production Process
- 100% Internal Resistance Check
- 100% Leaking & other parameter Test



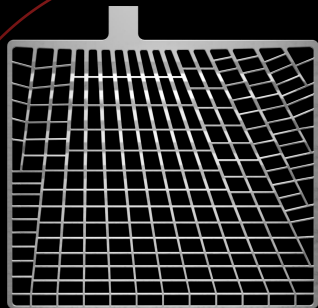
Environmental Assurance

- ISO14000 and ISO18000 certificated
- Automatic dusting and purifying system
- Advanced sewage disposal system
- Gas removing sulfur and lead disposal system



Core Technology

CCDR
Punching Grid Technology



High Charge Retention

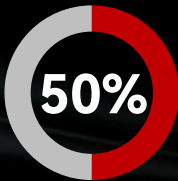
Enhanced Safety

High Charge Acceptance

Long Float Service Life

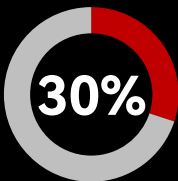
High Cell-to-Cell Uniformity

Multi-Environment Compatibility



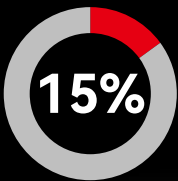
Extend service life

Increase 30% deep cycle life compared to traditional casting plates grids battery



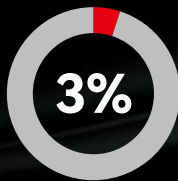
Increased Temperature Resistance

Increase 30% deep cycle life compared to traditional casting plates grids battery



The internal resistance is lower than the industry standard.

Using Pb-Ca-Sn-Al alloy plates, the internal conduction loss is smaller;



The self-discharge rate is less than 3%

Using Pb-Ca-Sn-Al alloy plates, the internal conduction loss is smaller;

Core Technology

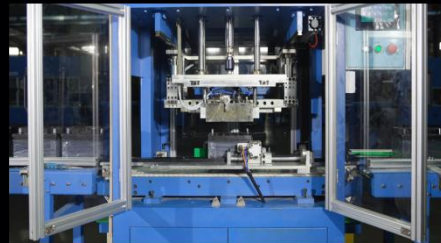
TTP Welding



TTP refers to "Through The Partition".

Red arrows represent current, which can flow through the wall directly with faster speed than traditional Bridge-Welding.

Heat Sealing



Which completes the whole sealing process in only 30 seconds. It'll also include sealing tests to ensure the integrity of our batteries, which makes battery sealing more stable, avoiding acid leakage that will influence battery performance in the long run.

Inner Formation



Advanced and proven inner formation technique prevents the batteries from electrolyte emission, insuring plate formation complete and enabling batteries longer lifetime.

Automotive Battery

AGM / EFB Start-Stop Car Battery is widely used in high-class vehicles with Start-Stop system



AGM
55Ah-105Ah



EFB
60Ah-105Ah

PCSA Alloy Grid

Pb-Ca-Sn-Al alloy grid and specific lead paste formula bring long life and good high current discharge performance

CCDR 3D Grid

High - density, corrosion - resistant CCDR 3D grid offers enhanced durability, ensuring an extended service life for long - term use

Tight Assembly

High - quality AGM/PE separators enable tight assembly and ensure safety, enhancing overall performance

Safe Sealing

The battery case, made of strong PP/ABS material, features safe sealing, ensuring durability and reliable protection for the battery

Automotive Battery



FEATURES



Start-Stop Ready



New Energy-accumulating Curved Grid



AGM Technology



Pb-Ca Negative Start-stop Formula



Ultra-Low Temperature Start



Deep Cycle Life

AGM

55Ah-105Ah



9001:2015 16949:2016

Automotive Battery

Battery Type	Performance		Rated Voltage(V)	Dimension			Technical Characteristics			Weight	
	Capacity, Ah	CCA, A [EN]		L	W	H	Layout	Terminal	Hold Down	KG	LBS
L2 AGM 12V 60AH	62	660	12	242	175	190	0		B13	17.5	38.58
L3 AGM 12V 70AH	72	760	12	278	175	190	0		B13	20.2	44.53
L4 AGM 12V 80AH	82	800	12	315	175	190	0		B13	23.1	50.92
L5 AGM 12V 92AH	95	850	12	353	175	190	0		B13	25.6	56.43
L6 AGM 12V 105AH	108	950	12	394	175	190	0		B13	28.5	62.83

* Only Selected Product Models Displayed



AGM
55Ah-105Ah



Automotive Battery



FEATURES



New Energy-accumulating Curved Grid



Start-Stop Ready



Bag-Type PE Composite Partition



Pb-Ca Negative Start-stop Formula



Ultra-Low Temperature Start



Deep Cycle Life



Fast Charging

EFB

60Ah-105Ah



Automotive Battery

Battery Type	Performance		Rated Voltage(V)	Dimension			Technical Characteristics			Weight	
	Capacity, Ah	CCA, A [EN]		L	W	H	Layout	Terminal	Hold Down	KG	LBS
L2 EFB 12V 60AH	68	640	12	242	175	190	0		B13	17	37.47
L3 EFB 12V 70AH	75	760	12	278	175	190	0		B13	19.1	42.10
L4 EFB 12V 80AH	85	800	12	315	175	190	0		B13	22	48.50
L5 EFB 12V 92AH	95	900	12	353	175	190	0		B13	24.5	54.0
L6 EFB 12V 105AH	105	950	12	394	175	190	0		B13	27	59.52
Q85 EFB 12V 60AH	60	640	12	232	173	228	0		B0	16.1	35.49
S955 EFB 12V 70AH	70	700	12	260	173	228	0		B0	18.5	40.78

* Only Selected Product Models Displayed



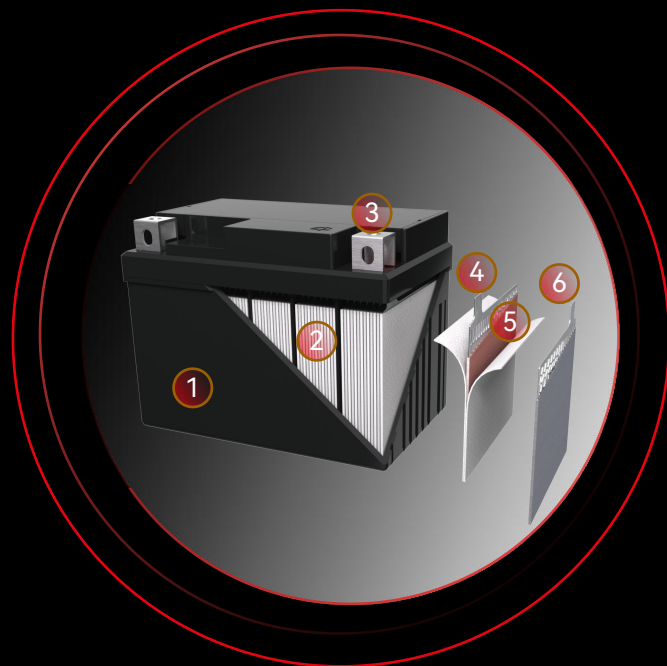
EFB
60Ah-105Ah



Motorcycle Battery



Motorcycle Battery



- 1 Case**
ABS case material (UL94-HB/UL94-V0) can withstand vibration and shock under extreme conditions
- 2 Active Material**
Compounded to withstand vibration, prolong battery life and dependability
- 3 Terminal**
Various terminal models are available
- 4 Positive Plate**
Grids made of high-tech and high-purity alloys have excellent robustness
- 5 AGM Separator**
Excellent porosity to ensure maximum conductivity and battery life
- 6 Negative Plate**
Grids made of high-tech and high-purity alloys have excellent robustness



**SUPERIOR
MATERIALS**

Motorcycle Battery

Battery Case Model				Battery Specifications				Weight	Internal Resistance(mΩ/25°C)	
Model	Dimensions(mm) L*W*H*T.H	Terminals		Name	Nominal Capacity 10HR (Ah/25°C)	CCA (-18°C)	CA (Room Temperature)	(kg)	Temperature factor: ≥80% capacity: 0.8%/°C <80% capacity: 1.0%/°C	
		Name	Array					±2.5%		
JB5L	120*60*127*127	ML2/Lead	5	JB5L-B	5.0	65	145 ~ 155	1.80	18.7	
		MT2/Copper	5	JB5L-B-C						
JB7B	149*59*130*130	ML3/Lead	4	JB7B-B	7.0	95	160 ~ 175	2.20	12.8	
		MT3/Copper	4	JB7B-B-C						
JB7BL			ML3/Lead	5	JB7BL-B	7.0	95	160 ~ 175	2.20	12.8
			MT3/Copper	5	JB7BL-B-C					
JB9	135*76*135*135	ML3/Lead	4	JB9-B	9.0	120	185 ~ 195	2.80	14.3	
		MT3/Copper	4	JB9-B-C						
JB9L			ML3/Lead	5	JB9L-B	9.0	120	185 ~ 195	2.80	14.3
			MT3/Copper	5	JB9L-B-C					
JB7-A	136*77*123*123	ML3/Lead	4	JB7-A	7.0	95	180 ~ 185	2.57	16.8	
		MT3/Copper	4	JB7-A-C						
JB14L	132*89*164*164	ML10/Lead	5	JB14L-A2	14.0	180	330 ~ 345	4.54	9.1	
		MT8/Copper	5	JB14L-A2-C						

* Only Selected Product Models Displayed

JB

5Ah-30Ah



Motorcycle Battery

Battery Case Model				Battery Specifications				Weight	Internal Resistance(mΩ/25°C)
Model	Dimensions(mm) L*W*H*T.H	Terminals		Name	Nominal Capacity 10HR (Ah/25°C)	CCA (-18°C)	CA (Room Temperature)	(kg)	Temperature factor: ≥80% capacity: 0.8%/°C <80% capacity: 1.0%/°C
		Name	Array					±2.5%	
JTX4L	113*69*85*85	ML1/Lead	5	JTX4L-BS	4.0	45	135 ~ 145	1.33	20.4
		MT1/Copper	5	JTX4L-BS-C					
JTX4L		ML1/Lead	5	JTZ5S	4.0	50	140 ~ 150	1.41	20.0
		MT1/Copper	5	JTZ5S-C					
JTX5L	113*70*106*106	ML1/Lead	5	JTX5L-BS	5.0	65	153 ~ 165	1.70	17.8
		MT1/Copper	5	JTX5L-BS-C					
JTX6.5L	139*66*101*101	ML6/Lead	5	JTX65L	6.5	80	210 ~ 220	2.06	13.3
		MT4/Copper	5	JTX65L-C					
JTX7L	114*69*131*131	ML7/Lead	5	JTX7L-BS	7.0	100	190 ~ 200	2.30	14.9
		MT5/Copper	5	JTX7L-BS-C					
JTX7A	151*87*95*95	ML8/Lead	4	JTX7A-BS	7.0	105	225 ~ 235	2.43	12.5
		MT6/Copper	4	JTX7A-BS-C					
JTX9	151*87*106*106	ML8/Lead	4	JTX9-BS	9.0	135	250 ~ 260	2.97	11.5
		MT6/Copper	4	JTX9-BS-C					
JTZ7S	113*70*106*106	ML9/Lead	5	JTZ7S	6.0	75	175 ~ 185	1.85	15.6
		MT7/Copper	5	JTZ7S-C					

* Only Selected Product Models Displayed

JTX

4Ah-9Ah



JTZ

6Ah

Marine Battery



LARGE CAPACITY

20% More Real Capacity
than the Standard Value



LONG LIFE

3 Times Compared to
the Normal Battery



FAST CHARGE

Increase 20%
Charging Speed



LOW RESISTANCE

15% Less than the
National Standard



HIGH COMPATIBILITY

Compatible with Different
Brand Air conditioner



LOW TEMPERATURE RESISTANT

Work Reliably at -40°C-70°C

Marine / AGM
110Ah-240Ah



Marine Battery

Battery Case Model				Battery Specifications		Internal Resistance(mΩ/25℃)	Weight	Actual Battery Parameter Values		
Model	Dimensions(mm) L*W*H*T.H	Terminals		Name	Nominal Capacity 20HR (Ah/25℃)	Temperature factor: ≥80% capacity: 0.8%/℃ <80% capacity: 1.0%/℃	(kg)	CCA (-18℃)	CA (Room Temperature)	Reserve Capacity (min)
		Name	Array				±2.5%			
QDF12V100	331*172*221*243	L11	5	12V100Q-110	110	3.05	32.00		≥1110	
QDF12V150	518*220*217*253	L12 L14-2		6-CQW-160	160		48.00			
			7	6-CQW-180	200	2.31	53.00	1000	≥1400	≥420
				6-CQW-200	200	2.05	55.70	1150	≥1590	≥440
QDF12V150B	518*223*217*241	L11	7	12V150Q-200T	200	2.57	54.40		≥1390	
QDF12V230	518*241*217*253	L12 L14-2		6-CQW-200B	200					
			7	6-CQW-220	220	2.57	60.15	1200	≥1690	≥510
				6-CQW-240	240	2.00	63.00	1300	≥1850	≥550

※ Only Selected Product Models Displayed



Marine / AGM

110Ah-240Ah

Truck Battery



LOW SELF-DISCHARGE

The self discharging of EFB battery is low



HIGH STARTING POWER IN LOW TEMPERATURE

Suitable for frequent starting



DEEP-CYCLING PERFORMANCE

This technology doubles the deep - cycling performance and partial state of charge of conventional maintenance - free batteries.



LONG CYCLIC LIFE

EFB batteries have low self - discharge and long cycles. Conventional ones last 2 - 3 years, while EFB batteries can last 3 - 5 years.



Truck / AGM
110Ah-240Ah



Truck Battery

Battery Case Model				Battery Specifications		Internal Resistance(mΩ/25℃)	Weight	Actual Battery Parameter Values		
Model	Dimensions(mm) L*W*H*T.H	Terminals		Name	Nominal Capacity 20HR (Ah/25℃)	Temperature factor: ≥80% capacity: 0.8%/℃ <80% capacity: 1.0%/℃	(kg) ±2.5 %	CCA (-18℃)	CA (Room Temperature)	Reserve Capacity (min)
		Name	Array							
QDF12V180	512*222*196*216	L14	7	6-QDF-180R	180	1.91	51.00	1200	≥1600	≥400
			6	6-QDF-180L	180	1.91	51.00	1200	≥1600	≥400

* Only Selected Product Models Displayed



Truck / AGM
110Ah-240Ah

THANK YOU

COMPANY INTRODUCTION

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 JYC Battery

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