SINCE 1995

TCS® 松立电池
BATTERY EXPERT

LEAD ACID BATTERY PLATES
铅　酸　电　池　极　板

SALES CENTER:

厦 门 松 立 新 能 源 科 技 有 限 公 司
XIAMEN SONGLI NEW ENERGY TECHNOLOGY CO., LTD

福建省厦门市思明区观音山运营中心富贵鸟大厦10楼
Add: 19/Floor, No.11 Nantou Road, Guanyinshan, Siming District, Xiamen Fujian

Http:// www.songligroup.com | E-mail: sales@songligroup.com | Tel: 0592-3255666 | Fax: 0592-3255606

FACTORY INFORMATION:

福 建 省 闽 华 电 源 股 份 有 限 公 司
FUJIAN MINHUA POWER SOURCE CO., LTD

福建省安溪经济开发区龙桥工业园
Add: Longqiao Industrial Park, Anxi Economic Development Zone, Quanzhou. Fujian

企业官网
Official Website

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TCS® 松立电池
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TCS® 松 立 销 售 网 络 SONGLI SALES NETWORK　★松立电池 TCS BATTERY　●客户分布 CUSTOMER DISTRIBUTION

企业官网 Official Website

企业公众号 WeChat Homepage

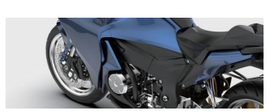
阿里巴巴-动力电池 Power Battery

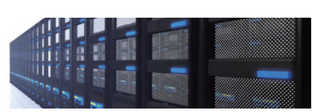
阿里巴巴-储能电池 Storage Battery

CATALOGS

ABOUT THE COMPANY
关 于 企 业

LEAD-CALCIUM BATTERY GRID SERIES
铅 钙 合 金 极 板 系 列





TCS® 松立电池
BATTERY EXPERT

Founded in 1995, Songli Battery is one of China's earliest battery brands, specializing in the research, development, production, and sales of advanced batteries. Its products are widely used in motorcycles, electric two-wheelers/tricycles, automobiles, industrial energy storage, and special applications.

松立电池成立于1995年，是中国最早的蓄电池品牌之一，专注于先进电池的研发、生产与销售，产品广泛应用于摩托车、电动两轮/三轮车、汽车、工业储能及特殊领域。

The company has a total construction area of 200,000 square meters and is equipped with world-leading automated assembly and welding technology, continuously optimizing production processes. Currently, the factory produces nearly 4 million batteries per month, with an annual production capacity exceeding 6 million kilovolt-amperes per hour. With a comprehensive quality management system (certified by ISO 9001 and ISO/TS 16949), extensive industry experience, and excellent service, our products are exported to more than 100 countries and regions worldwide.

公司总建筑面积超20万平方米，配备全球领先的自动化装配和焊接技术，不断优化生产工艺。目前，工厂月产电池近400万只，年产能超600万千伏安时。凭借完善的质量管理体系（通过ISO9001、ISO/TS16949认证）、丰富的行业经验和优质服务，产品远销全球100多个国家和地区。

SINCE1995

XIAMEN SONGLI NEW ENERGY TECHNOLOGY CO., LTD

To enhance competitiveness, Songli Battery drives growth through technological innovation, joint ventures, and strategic partnerships. Internationally, it is represented by Hong Kong Songli Group, while domestically, it operates under Songli (Jinjiang) New Energy Technology Co., Ltd., forming a group-based operating model that includes subsidiaries such as Xiamen Songli Group, Xiamen Songli New Energy, Xiamen Songli Import & Export, and Fujian Minhua Power, while integrating market resources and investing in collaborations with multiple battery companies.

为提升市场竞争力，松立电池通过技术改造、合资合作、兼并联营等方式实现快速发展。海外以香港松立集团为核心，国内依托松立（晋江）新能源科技有限公司，形成涵盖厦门松立集团、厦门松立新能源、厦门松立进出口、福建闽华电源等子公司的集团化经营模式，并整合市场资源，投资合作多家电池企业。

Committed to innovation and excellence, Songli Battery upholds the philosophy of “Always Improving, Never Settling.” It continues to strengthen its brand, drive industry progress, and create greater value for customers. “Extraordinary Mind, Far-reaching Actions” is the force that propels Songli forward.

松立电池秉承“勇于创新，乐于奉献”的精神，坚持“没有最好，只有更好”的理念，持续打造自主品牌，推动行业发展，为客户创造更大价值。“心非凡，行更远”——驱动我们不断前行。

WWW.SONGLIGROUP.COM

HONOURS& QUALIFICATIONS

PATENT ACCUMULATION, TECHNOLOGICAL LEADERSHIP | 专利积累，技术领先

TCS Battery has demonstrated excellence in the field of patents. As of now, the company holds over 100 patents, including invention patents, utility model patents, and design patents. These patents comprehensively cover the technological aspects of lead-acid batteries and their related components, showcasing the company's leading position in product development and technological innovation. Through continuous innovation, TCS Battery consistently enhances the core competitiveness of its products, providing strong support for market expansion and brand value growth.

松立电池在专利方面表现卓越。截至目前，公司已拥有超过100项专利，包括发明专利、实用新型专利以及外观设计专利。这些专利广泛覆盖了铅酸蓄电池及其相关组件的技术领域，充分体现了公司在产品研发和技术创新方面的领先地位。松立电池通过持续的技术创新，不断提升产品的核心竞争力，为市场推广和品牌价值的提升提供了强有力的支持。

We have obtained certifications for the ISO 9001 Quality Management System, ISO 14001 Environmental Management System, and OHSAS 18001 Occupational Health and Safety Management System. Our products comply with Chinese and international standards such as GB/9639 and IEC 60896-21/22. Additionally, our entire product range meets the certification requirements of UL, IEC, RU, TLC, ROHS, and CE.

我们已通过 ISO 9001 质量管理体系、ISO 14001 环境管理体系及 OHSAS 18001 职业健康安全管理体系认证。产品符合 GB/9639、IEC 60896-21/22 等中国与国际标准，且全系列产品均符合 UL、IEC、RU、TLC、ROHS、CE 等认证要求。

TCS® 松立电池
BATTERY EXPERT

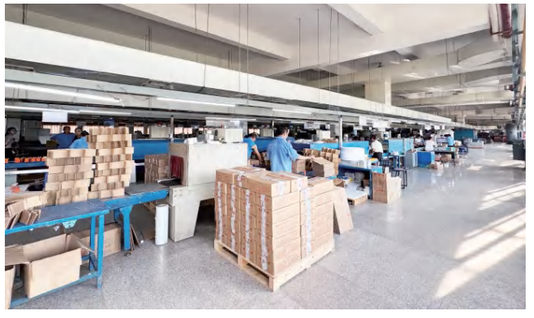
T-echnology-Driven 科技导向　**C**-ustomer Care 客户关怀　**S**-uperior Quality 卓越品质

- 2011年参与制定“铅酸蓄电池行业准入规范条件”。
  In 2011, the company participated in the formulation of the "Access Standards for the Lead-Acid Battery Industry."
- 2012年被国家工商行政管理总局认定为“中国驰名商标”。
  In 2012, The State Administration for Industry and Commerce of the People's Republic of China has recognized it as a “Famous Trademark of China”.
- 2014福建省科学技术厅授予“福建省铅酸电池企业工程技术研究中心”。
  In 2014, Fujian Provincial Science and Technology Department awarded “Fujian Lead-Acid Battery Enterprise Engineering Technology Research Center”.
- 2015年被中国轻工业协会评为“中国轻工业铅蓄电池行业10强企业”。
  In 2015, it was recognized as one of the "Top 10 Enterprises in the Lead-Acid Battery Industry of China's Light Industry" by the China National Light Industry Council.
- 2016年被中国轻工业联合会评为“中国轻工业百强企业”。
  In 2016, it was honored as one of the “Top 100 Enterprises in China Light Industry” by China Light Industry Federation.
- 2016年企业年度纳税达1.56亿元，荣获福建省泉州市纳税功勋企业称号。
  In 2016, the company's annual tax payment reached 156 million yuan and was awarded the title of "Outstanding Taxpayer Enterprise" in Quanzhou, Fujian Province.
- 2017年被国家工信部评为首批“绿色工厂”。
  In 2017, it was designated as one of the first "Green Factories" by the Ministry of Industry and Information Technology of China.
- 2020年被中国电池工业协会授予“副理事长”。
  In 2020, the company was awarded the title of "Vice Chairman" by the China Battery Industry Association.
- 2024年，战略重组成功，优化资源配置、强化创新驱动，拥抱发展机遇、开启全新征程。
  In 2024, the strategic restructuring was successfully completed, optimizing resource allocation, strengthening innovation-driven initiatives, embracing development opportunities, and embarking on a new journey.
- 2024年战略重组成功，开启全新征程。2024年度纳税超7000万元，上榜泉州市民营企业营收及纳税“双百强”榜单。
  In 2024, the successful reorganization marked a new journey. Annual tax payments exceeded 70 million yuan, ranking among Quanzhou's Top 100 in revenue and taxation.

PRODUCTION LINE OVERVIEW

We possess world-class battery manufacturing technology and equipment, adhering to internationally advanced standards and strictly complying with the ISO 9001 quality management system. Every stage of production is rigorously controlled to ensure consistently high-quality products. Additionally, we provide comprehensive quality assurance and after-sales services, continuously strengthening our brand reputation and establishing an unshakable position in the industry.

我们拥有世界一流的电池生产技术和设备，采用国际先进标准，严格遵循 ISO 9001 国际质量管理体系，对生产的每一个环节进行严格把控，确保产品始终保持高质量。与此同时，我们提供完善的质量保障与售后服务，不断提升品牌信誉，打造值得信赖的行业标杆。



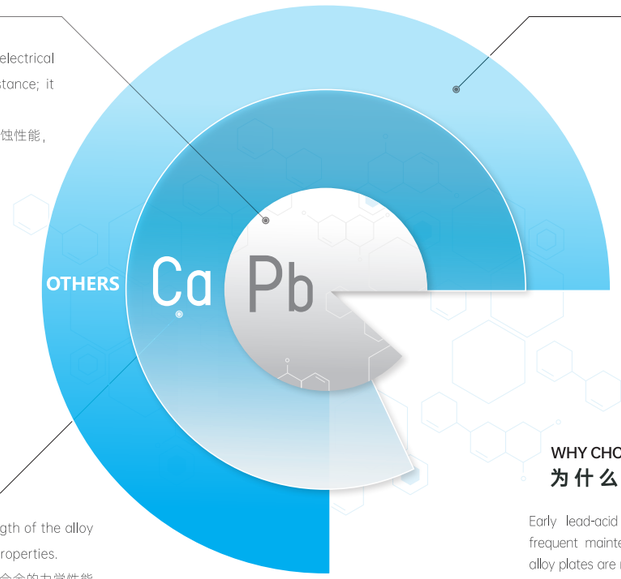
TCS LEAD-CALCIUM ALLOY PLATE SERIES
松立铅钙合金极板系列

Pb
铅

Provides high density, excellent electrical conductivity, and corrosion resistance; it forms the base of the alloy.
提供高密度、良好的电导率和耐腐蚀性能，是合金的主体。

Others
其他元素

提高合金的抗腐蚀性能，稳定晶粒结构
增强抗腐蚀性和延展性
Improves corrosion resistance, stabilizes grain structure, and enhances corrosion resistance and ductility.



Ca
钙

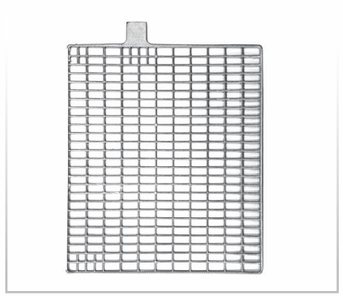
Improves the hardness and strength of the alloy while enhancing its mechanical properties.
改善合金的硬度和强度，同时提高合金的力学性能。

WHY CHOOSE ALLOY TECHNOLOGY?
为什么选择铅钙合金工艺

Early lead-acid batteries with lead-antimony plates required frequent maintenance and released toxic gases. Lead-calcium alloy plates are maintenance-free, release less gas, and are more eco-friendly.

早期铅酸蓄电池采用铅锑合金极板，因锑的析氧性强，导致电解液易干涸，需频繁补水，维护繁琐且易释放有毒气体，污染环境。相比之下，铅钙多元合金极板电解液稳定，适用于免维护密封阀控蓄电池，使用过程中无需维护，不易析气，更加环保。

PLATE GRID | 极板板栅



POSITIVE PLATE | 正极极板

NEGATIVE PLATE | 负极极板

PROCESS DEFINITIONS
工艺定义优化

Internal Formation Process (In-container Formation)
外化成工艺（槽外化成）

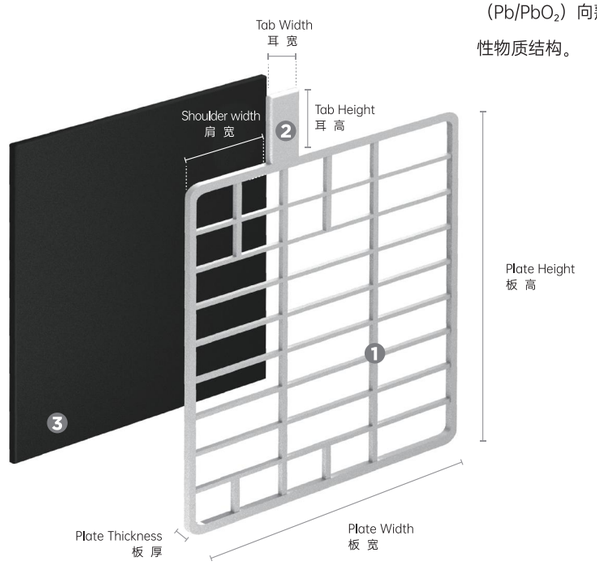
Plates are pre-activated in dedicated formation tanks to generate a stable PbO_2 active layer, followed by drying 24hours and subsequent assembly into the battery casing.

极板在专用化成槽中预先完成化学转化，生成稳定PbO_2活性层后，经干燥处理再组装入电池壳体。

External Formation Process (Out-of-container Formation)
内化成工艺（槽内化成）

The plates undergo direct activation through charge-disB charge cycles within the battery casing using electrolyte, transforming raw plates (Pb/PbO_2) into formed plates ($PbSO_4/PbO_2$) with stable active material structures.

极板在电池壳体内直接通过电解液充放电完成活化，实现生极板（Pb/PbO_2）向熟极板（$PbSO_4/PbO_2$）的转化，最终形成稳定活性物质结构。



1 GRID | 板 栅

2 LUG | 极 耳

3 ACTIVE MATERIAL | 活 性 物 质

Comparison 对比维度	Internal Formation Process 内化成工艺	External Formation Process 外化成工艺
Process Flow 工艺流程	Raw plates → Assembly → Electrolyte filling→ In-container formation → Final product 原料板→组装→加酸→内化成→最终产品	Raw plates → External tank formation → Drying → Disassembly/cleaning → Assembly → Final product 原料板→外化成→烘干→拆卸/清洗→组装→最终产品
Equipment Requirements 设备要求	Requires dedicated charging/ discharging systems 需配备专用充放电系统	Requires independent formation tanks and cleaning equipment 需独立化成槽及清洗设备
Production Cycle 生产周期	5-7 days (including aging) 5-7天（含静置老化）	3-5 days (no in-container aging) 3-5天（无需壳内老化）

APPLICATION FIELDS
应用领域

Backup Power [备用电源]
Used in UPS systems and communication base stations for reliability and long life
广泛应用于UPS电源、通信基站等需要高可靠性和长寿命的备用电源系统

Energy Storage [储能领域]
For renewable energy storage (e.g., solar, wind), suitable for float charging
用于可再生能源（如太阳能、风能）的储能系统，适合长时间浮充使用

Industrial Equipment [工业设备]
Used in industries needing stable power, like elevators and data centers
适用于需要稳定供电的工业领域，如电梯应急电源、数据中心等

PLATES FOR POWER STORAGE AND INDUSTRIALVRLA BATTERIES

电源、电力储能和工业电池极板

The plates for power supply, energy storage, and industrial batteries are made of high-performance lead-calcium alloy, offering excellent corrosion resistance and an extended cycle life. They meet the needs of telecom base stations, data centers, and new energy storage systems. With high stability and deep cycle capability, they ensure reliable support for emergency power and green energy storage, enabling stable power supply and efficient energy management.

电源、电力储能和工业电池极板采用高性能铅钙合金，具有卓越的耐腐蚀性和更长的循环寿命，能够满足通信基站、数据中心和新能源储能系统等多种场景需求。其高稳定性和深循环能力，为应急电源和绿色能源储存提供 了可靠保障，助力实现稳定供电与高效储能。

序号 NO.	极板型号 Plate Model(Ah)	极板外形尺寸 Plate Dimensions (MM)							极板质量 Plate Weight (g)	
		板高	板宽	板厚	耳高	耳宽	肩宽	耳厚	正极	负极
		Plate Height	Plate Width	Plate Thickness	Tab Height	Tab Width	Shoulder Width	Tab Thickness	Positive Plate	Negative Plate
1.	TD0.2	19	19	1.9	23	Ø1.7	0.5	Ø1.7	4.5	4
				1.9				Ø1.7		
2.	TD0.2C	19	19	1.75	23	Ø1.6	0.5	Ø1.6	4	3.7
				1.75				Ø1.6		
3.	TD0.2D	19	19	1.85	23.5	1.8	0.5	1.7	4	3.7
				1.8				1.7		
4.	HR0.25	27	19.5	1.9	23	1.8	0.5	Ø1.8	5.7	5.2
				1.8				Ø1.8		
5.	J0.25	21	19	2.1	22	Ø2.0	0.5	Ø2.0	5.2	4.9
				2.1				Ø2.0		
6.	TG0.25	21	19	2.3	22	Φ2.0	0.5	Φ2.0	5.6	5.3
				2.3				Φ2.0		
7.	TB0.25	21	19	2	23	Φ1.8	0.5	Φ1.8	5	4.8
				2				Φ1.8		
8.	J0.3	27	21	2.2	22	Ø2.0	0.65	Φ2.0	7.2	6.9
				2.2				Φ2.0		
9.	TB0.3	29	19	2.2	22	Φ2.0	0.5	Φ2.0	7.5	7.2
				2.2				Φ2.0		
10.	TC0.3	27	19.5	2.1	23.5	2	0.5	1.8	6.7	5.8
				1.9				1.8		
11.	TY0.3	27	21	2.3	22	Φ2.0	0.65	Φ2.0	7.9	7.5
				2.3				Φ2.0		
12.	HR0.3	27	21	2.1	22	2	0.5	1.8	7	6.5
				2.1				1.8		
13.	HR0.35	37	19	2	27	2	0.5	1.7	7.8	6.5
				1.8				1.7		
14.	TG0.4	37	21	2.2	21	Φ2.0	0.5	Φ2.0	10	9.5
				2.2				Φ2.0		
15.	C0.5B	34	20.5	1.8	22	1.9	0.5	1.6	6.9	6.4
				1.7				1.5		
16.	HR0.5	44	22	1.65	23	1.7	1	1.55	9	8
				1.65				1.55		
17.	J0.5	34	20.65	1.9	25	1.9	0.5	1.6	7.4	6.4
				1.8				1.55		
18.	JS0.5	44	19	2.6	20	Φ2.2	0.5	Φ2.2	12	11.4
				2.6				Φ2.2		
19.	QT0.5	34	20.65	1.75	32	1.95	0.5	1.6	6.9	6.4
				1.65				1.55		
20.	TG0.5	46	20	2.2	23	Φ2.0	0.35	Φ2.0	11.7	11.1
				2.2				Φ2.0		
21.	0.6	29.5	28	3.3	8	3.2	6.5	3.1	14	10
				2.4	9			2.1		
22.	J0.6	35	21	2.2	23.5	1.8	0.5	1.8	8.5	6.8
				1.9		1.6		1.6		
23.	HR0.6	35	20	2.5	22	2.1	0.5	1.9	9.6	7.5
				2		1.9		1.8		
24.	JC0.6A	44	22	1.8	22	1.7	1	1.55	9	8
				1.65				1.55		
25.	ST0.6	27	28	3.3	7	3.2	6.5	2.2	13.5	9.5
				2.4	8			1.9		
26.	Y0.6	35	21	2.3	22	Φ2.1	0.5	Φ2.1	9.6	7.5
				2.1		Φ1.9		Φ1.9		
27.	YD0.6	45	20	2.2	21	Φ2.0	0.4	Φ2.0	11	9.5
				2.2				Φ2.0		

序号 NO.	极板型号 Plate Model(Ah)	极板外形尺寸 Plate Dimensions (MM)							极板质量 Plate Weight (g)	
		板高	板宽	板厚	耳高	耳宽	肩宽	耳厚	正极	负极
		Plate Height	Plate Width	Plate Thickness	Tab Height	Tab Width	Shoulder Width	Tab Thickness	Positive Plate	Negative Plate
28.	ZH0.6	26	28	3.3	11	3.2	6.5	2.2	13.5	9.5
				2.4	12			1.9		
29.	J0.65	45	25	2.2	21	2	1.4	2.1	13	12
				2.2				2		
30.	H0.65	29	28	3.4	10	3.2	6	3	14.5	8.5
				2.1				1.8		
31.	TG0.65	45	25	2.2	21	Φ2.0	1.4	Φ2.0	13.8	13
				2.2				Φ2.0		
32.	J0.7	43	23	1.85	22.5	1.7	1	1.7	9.7	8.7
				1.75				1.6		
33.	HR0.7	44	24	2	22.5	1.85	1	1.7	10.5	9.5
				2				1.7		
34.	YD0.7	45	24	2.2	22	Φ2.0	1	Φ2.0	12.8	11
				2.2				Φ2.0		
35.	A0.8	43	24	3.1	10	3.5	1	2.8	17	11
				2				1.7		
36.	C0.8	39	25	3.7	19	3	0.5	3.3	20	10
				1.8				1.6		
37.	D0.8	44	25	2.6	11	3	1	2.2	15	9
		45		1.6				1.2		
38.	KL0.8	40	24	3.3	18	2.9	0	2.9	18	14
				2.6		2.2		2.2		
39.	KM0.8	47	21	2.6	21	2.2	1.5	2.1	13.2	11.6
				2.3				2.1		
40.	V0.8	34	27.5	3.5	9	3.5	6.2	2.6	19	12.5
				2.45				2.2		
41.	Z0.8	33	28	3.3	10.5	3.5	6	3.1	16	12
				2.5				2.3		
42.	YF0.8	46	24	2.3	22	Φ2.1	0.9	Φ2.1	13	11.5
				1.9		Φ1.7		Φ1.7		
43.	0.85-J	45	26	2.9	22	Φ2.6	1	Φ2.6	18	14
				2.45		Φ1.9		Φ1.9		
44.	HR0.85	64	23	2	30	1.8	0.5	1.8	13.5	12.5
				1.9				1.6		
45.	G0.9	35	37	2.8	7	5	7	2.6	19	15
				2.2				2		
46.	G1.0	67	38	1.6	10	5	10	1.4	20	16
				1.3				1.1		
47.	HT1.0	36	38	2.7	12	5	8	2.4	19	13
		37		1.8				1.5		
48.	HR1.0	65	24	2.1	28	2.2	3	1.8	16.5	15
				2.1				1.8		
49.	J1.0	50	25.5	2.4	25	Φ2.1	2	Φ2.1	16	13
				2.1		Φ1.9		Φ1.9		
50.	JC1.0A	65	23	1.9	28	1.9	0.5	1.7	16	14
				1.9				1.7		
51.	KM1.0	55	27	2.15	21	2.2	3.7	1.9	17	16
				2.15				1.9		
52.	ST1.0	45	29	2.9	9	3.2	5.8	2.6	19	13
				1.9	10.5			1.6		
53.	TY1.0	65	26	2.2	30	2.2	3.2	2	20.4	19.2
				2.2				2		
54.	TR1.0	65	25	2.2	30	2.2	3.2	2	19.4	18
				2.2				2		

以上数据仅供参考 | The above data is for reference only

序号 NO.	极板型号 Plate Model(Ah)	极板外形尺寸 Plate Dimensions (MM)							极板质量 Plate Weight (g)	
		板高	板宽	板厚	耳高	耳宽	肩宽	耳厚	正极	负极
		Plate Height	Plate Width	Plate Thickness	Tab Height	Tab Width	Shoulder Width	Tab Thickness	Positive Plate	Negative Plate
55.	XL1.0	65	22	1.8	28	2	0.5	1.7	15.5	14.5
				1.8				1.6		
56.	YS1.0	56	23	2.8	21	Φ2.6	1.5	Φ2.6	19	14
				2.2		Φ2.0		Φ2.0		
57.	Z1.0	65	23	1.8	28	1.8	0.5	1.7	13.5	12
				1.7		1.8		1.6		
58.	1.1	34	34	3.6	9	5	7	3.3	23	17
				2.6				2.3		
59.	B1.1	67	25.5	2.5	10	4	6	2.3	23	14
				1.7				1.5		
60.	J1.1	61	25	2.45	22.5	2	1	2	19	15
				2		1.8		1.8		
61.	KM1.1	70	24	2.4	24	Φ2.2	0.5	Φ2.2	21	20
				2.4				Φ2.2		
62.	Y1.1	46	33	3	22	Φ2.6	1.5	Φ2.6	23	16
				2.2		Φ2.0		Φ2.0		
63.	1.2	35	37	3.6	9	5	7	3.3	24	18
				2.6				2.3		
64.	MH1.2	33	37	3.6	8	5	7	2.3	24	17
				2.6	9			1.9		
65.	1.3	50	28	3.6	13	3.5	6	3.4	27	21
				2.6				2.4		
66.	C1.3	63	28	2.5	19	Φ2.3	1	Φ2.3	22.5	18.5
				2		Φ1.8		Φ1.8		
67.	D1.3	69	39	1.9	10	5	8	1.7	25.5	21.5
				1.55				1.4		
68.	F1.3B	69	39	1.9	8.5	5	8	1.6	25	21
				1.7				1.2		
69.	ST1.3	33	37	3.6	8	4	10	2.3	23	17
				2.6	9			1.9		
70.	YS1.3D	67	40	1.4	11.5	5	8	1.2	21	16.5
				1.35	12.5			1.15		
71.	1.4	67	25.5	3.5	10	4	6	3.2	30	21
				2.5				2.2		
72.	KM1.4	61	28	2.8	25	Φ2.3	3.5	Φ2.3	24.6	19.4
				2.35		Φ2.2		Φ2.2		
73.	C1.5	69	39	2.1	10	4	9	1.9	29	21
				1.6				1.4		
74.	HE1.5	65	36	2.2	10	5	9	1.8	25	15
		65.5		1.4	11			1.15		
75.	V1.5	73	33	1.65	10	4.5	7.5	1.4	20	21.5
				1.9				1.4		
76.	HL1.6	64	34	2.6	10	3.5	10	2.4	29	19
				1.7	12			1.5		
77.	J1.6A	53	41	2.3	24	2.9	1.5	2	26	21
				2.05				1.75		
78.	KS1.6	68	38	2.4	9	5	6.5	2.2	32	22
				1.7				1.5		
79.	KW1.6A	66	30	2.8	10.5	4	7	2.5	29	17
				1.7				1.4		
80.	L1.6	69	44	2.2	10	5	11	2	33	25.5
				1.6				1.4		
81.	HP1.6	68	44.5	2	10	5	10.5	1.7	30	21
				1.5				1.3		

序号 NO.	极板型号 Plate Model(Ah)	极板外形尺寸 Plate Dimensions (MM)							极板质量 Plate Weight (g)	
		板高	板宽	板厚	耳高	耳宽	肩宽	耳厚	正极	负极
		Plate Height	Plate Width	Plate Thickness	Tab Height	Tab Width	Shoulder Width	Tab Thickness	Positive Plate	Negative Plate
82.	SN1.6	69	39	1.9	10	5	8	1.7	25.5	18.5
				1.5				1.3		
83.	ZH1.6	67	40	1.9	10.5	5	8.5	1.6	24	18.5
				1.5	11.5			1.2		
84.	ZH1.6B	67	40	1.7	10.5	5	8.5	1.55	24.5	19.5
				1.4	11.5			1.2		
85.	ZH1.6C	67	40	1.9	10.5	5	8.5	1.3	24.5	20
				1.7	11.5			1.2		
86.	ZH1.6D	67	38	2	10.5	4	8	1.3	23.5	19.5
				1.6	11.5			1.2		
87.	ZH1.6E	67	38	1.95	10.5	4	8	1.3	24.5	20
				1.65	11.5			1.2		
88.	B1.7	42	48	3.2	8	5	7	2.9	32	24
				2.4				2.1		
89.	C1.7	69	39	2.3	10	4	9	2.1	30	24
				1.8				1.6		
90.	JG1.7	67	38	1.9	10.5	5	7	1.3	23.5	19
				1.5	11.5			1.2		
91.	HL1.7	71	34	2.7	10	3.5	10	2.4	36	24
				1.7	12			1.5		
92.	RT1.7	67	42.5	2.1	10.5	4.5	9.8	1.9	28	20
				1.6				1.3		
93.	TS1.7	65	44	2.1	11.5	5	10.5	1.8	27	20
		66		1.6				1.3		
94.	ZH1.7	67	40	1.9	10.5	5	8.5	1.75	27	20
				1.6	11.5			1.25		
95.	ZH1.7B	67	42.6	1.9	10.5	5	9.8	1.7	28	20
				1.4	11.5			1.2		
96.	ZH1.7C	67	38	2.1	10.5	4	8	1.3	25	18.5
				1.7	11.5			1.2		
97.	ZH1.7D	67	38	2.15	10.5	4	8	1.3	26	19
				1.6	11.5			1.2		
98.	E1.8	67	44	2.3	10	5.2	11	2.1	32	21
		68		1.5				1.3		
99.	HR1.8	60	39	2.5	25	3.4	2	2.1	29	23
				2.1				1.75		
100.	N1.8	69	39	2.4	10	4	9	2.2	32	19
				1.5				1.3		
101.	RT1.8A	67	45	2.4	8	5	11	2.2	37.5	29
				1.9				1.7		
102.	SL1.8	67	44	2.5	10	5	10	2.2	35	24
				1.8				1.4		
103.	Y1.8	60	45	1.75	12	8	11.5	1.4	24	19.5
				1.4				1.2		
104.	YD1.8	53	42	2.2	23	3	1	2	25	23
				2.2				2		
105.	JG1.8	67	38	1.95	10.5	5	7	1.3	24.5	20
				1.6	11.5			1.2		
106.	ZC1.8	67	44	2.1	10	5.2	11	1.8	32	21
		68		1.5				1.2		
107.	ZH1.8	67	40	1.8	10.5	5	8.5	1.5	26	20
				1.45	11.5			1.2		
108.	ZH1.8B	67	45	2.5	10.5	5	11	2.2	37.4	28.6
				2	11.5			1.7		

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序号 NO.	极板型号 Plate Model(Ah)	极板外形尺寸 Plate Dimensions (MM)							极板质量 Plate Weight (g)	
		板高	板宽	板厚	耳高	耳宽	肩宽	耳厚	正极	负极
		Plate Height	Plate Width	Plate Thickness	Tab Height	Tab Width	Shoulder Width	Tab Thickness	Positive Plate	Negative Plate
109.	ZH1.8C	67	45	2.1	10.5	5	10.5	1.8	32	22
				1.5	11.5			1.2		
110.	ZH1.8D	67	43.6	2.1	10.5	5	10.3	1.8	30.5	21.5
				1.5	11.5			1.2		
111.	ZH1.8E	67	43.6	2.1	10.5	5	10.3	1.8	32	22
				1.6	11.5			1.2		
112.	JM1.9	56	40	2.8	16	2.4	1	Φ2.4	33	26
				2.4		2		Φ2.0		
113.	S1.9	69	44	1.9	11	5.5	9	1.7	30	22
		68		1.5				1.3		
114.	ST1.9	60	44	2.4	17	6	10	2.1	34	22.5
				1.7				1.5		
115.	ZH1.9	67	40	2	10.5	5	8.5	1.75	28	21
				1.6	11.5			1.25		
116.	ZH1.9B	67	38	2.15	10.5	4	8	1.4	27	21
				1.8	11.5			1.3		
117.	B2	67	44	2.8	10	5	10	2.6	41	28
				1.8				1.6		
118.	BB2	67	44	2.5	10	5	10	2.3	36	26
				1.9				1.7		
119.	E2	68	38	3.3	10	4	9	3.1	43	27
				2.2				2		
120.	J2.0A	60	38	2.7	28	2.2	2.5	2.1	29	23
				2.3				2.1		
121.	JM2	56	40	3	26	Φ2.6	1	Φ2.6	35	21
				1.9	9	4.5	2	1.5		
122.	MA2	67	44	2.5	10	5	10	2.3	36	26
				1.9				1.7		
123.	N2	69	44	2.8	10	5	10	2.6	40	26
				1.7				1.5		
124.	TN2	72.5	44.3	2.6	10	5	10.15	2.3	42	28
				1.6				1.4		
125.	ZH2	67	45	2.5	10.5	5	11	2.3	36	26
				1.9	11.5			1.7		
126.	ZH2C	67	45	2.25	10.5	5	11	1.6	31	25
				1.85	11.5			1.4		
127.	A2.1	71	39	2.7	11	5	8	2.3	39.5	23.5
		72		1.6	12			1.3		
128.	HR2.1	74	41	2	30	3	2	1.9	30	27
				1.8				1.5		
129.	KM2.1	75	42	2.1	26	3.5	0.8	1.9	34	31.5
				2				1.9		
130.	MA2.1	75	39	2.8	8	5	8	2.3	41	25
				1.6	9			1.3		
131.	ST2.1	67	44	2.75	10.5	5	10	2.6	40.5	25
		68		1.8	11			1.6		
132.	Y2.2	55	50	3.4	30	Φ2.6	2.5	Φ2.6	45	35
				2.6		Φ2.4		Φ2.4		
133.	YD2.2	55	50	3.3	30	3.5	3.1	3	49	40
				3.2		2.5				
134.	BL2.3	67	45	3.2	10	4	10	2.9	46	26
				1.9	12			1.6		
135.	D2.3	67	43	3	8	5	9.5	2.6	43	25
				1.8				1.4		

序号 NO.	极板型号 Plate Model(Ah)	极板外形尺寸 Plate Dimensions (MM)							极板质量 Plate Weight (g)	
		板高	板宽	板厚	耳高	耳宽	肩宽	耳厚	正极	负极
		Plate Height	Plate Width	Plate Thickness	Tab Height	Tab Width	Shoulder Width	Tab Thickness	Positive Plate	Negative Plate
136.	J2.3A	76	42	2.5	28	2.9	2	2.1	37.5	29
				2				1.75		
137.	ST2.3	69.5	44.5	2.6	9.5	5	10.5	2.4	42	28
		70		1.9	10			1.4		
138.	YD2.3	76	42	2.5	28	3	2	2.2	38	29.5
				2				1.8		
139.	Z2.3A	67	45	3	10.5	4.5	9.8	1.9	44	27
				1.9				1.6		
140.	A2.5	69	39	3.4	10	5	8	3.2	44	33
				2.5				2.3		
141.	BD2.5	67	44	3.6	10	5	10	3.1	53	36
				2.6				2		
142.	F2.5	73	39	2.7	10	4	10	2.3	37	26
				1.8				1.6		
143.	G2.5	65.5	44	3.4	10	5	10	3.2	51	34
		66		2.4				2.2		
144.	JC2.5A	55	47	2.8	28	2.7	3.5	2.3	37.5	32.5
				2.55				2.3		
145.	JM2.5	62	56	2.4	19	Φ2.2	3	Φ2.2	41	33
				2		Φ1.8		Φ1.8		
146.	2.6	84	43	2.9	12	5.5	10	2.4	50	30
				1.9				1.5		
147.	ZC2.6	84	43	2.9	9	5.5	10	2.4	50	30
				1.9				1.5		
148.	A2.6	64	64	2.2	10	8	7	1.9	46	32
				1.6				1.4		
149.	HR2.7	66	42	3.3	23	3	2	2.6	47	32
				2.5				2		
150.	ZH2.8	65	39	3.5	15	5	8.5	2.3	44.5	19.7
				1.6	16			1.4		
151.	ST2.8	69	39	3.5	11	4	11.5	2.8	46	20
				1.5	12			1.3		
152.	HR3	64	42	3.5	25	3	2	2.6	47	32.5
				2.6				2		
153.	TN3	65	45	3.05	26	2.8	4	2.5	44	38
				2.9				2.5		
154.	S3.5	74	60	2.9	12	6	12	2.7	63	35
				1.7				1.5		
155.	Y3.5	70	50	4	27	Φ2.6	3.5	Φ2.6	68.5	42.5
				2.6		Φ2.4		Φ2.4		
156.	V3.5	85	60	3	12	6	15	2.8	71	46
				2				1.8		
157.	H3.6	105	66	1.7	12	7	17.5	1.5	56	46
				1.4	13			1.2		
158.	H3.8	120	66	1.8	11	8	15	1.6	72	58
				1.4				1.2		
159.	S3.9	78	75	2.5	16	7	17	2.3	71	49
				1.7				1.5		
160.	4A	116	66	1.75	14	6	16	1.55	65	58
				1.55				1.35		
161.	S4	78	75	2.7	16	7	17	2.5	77	53
				1.9				1.7		
162.	S4C	78	75	2.7	16	7	17	2.5	77	58
				2.15				1.7		

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序号 NO.	极板型号 Plate Model(Ah)	极板外形尺寸 Plate Dimensions (MM)							极板质量 Plate Weight (g)	
		板高	板宽	板厚	耳高	耳宽	肩宽	耳厚	正极	负极
		Plate Height	Plate Width	Plate Thickness	Tab Height	Tab Width	Shoulder Width	Tab Thickness	Positive Plate	Negative Plate
163.	S4.1	78	75	2.8	12	7	17	2.5	81	56
				2				1.7		
164.	C4.5	115	65	2.1	15	8	18	1.9	78	61
				1.7				1.5		
165.	RT4.5	119.5	66	1.95	12	6.5	16	1.75	76	55
				1.45				1.25		
166.	Z4.5	116	65	1.8	12	7	17	1.6	65	52
				1.5				1.4		
167.	ZH4.9	119	66	2.3	12	6.5	16	2.1	87	53
		120		1.55	14			1.3		
168.	5A	76	74	3.2	16.5	7	17	2.9	88	64
				2.3				2.1		
169.	D5	119.5	66	2.4	12	6.5	16	2.2	90	58
				1.6				1.4		
170.	ZH5	119	66	2.3	12	6.5	16	2.1	87	61
		120		1.7	14			1.5		
171.	RT5.5	119.5	66	2.1	12	6.5	16	1.9	86	55
				1.45				1.3		
172.	6	116	64	3	14	7	16	2.7	106	73
				2.2				1.9		
173.	A6	119	66	2.5	9.5	6.5	16.5	2.3	95	65
		120		1.7				1.5		
174.	B6	109	66	2.8	14	6.5	16	2.6	98	67
				2				1.8		
175.	SY6	118	66	2.8	13	5.5	6.25	2.3	104	73
				1.8				1.6		
176.	7A	108	66	3.2	14	6.5	16	3	110	75
				2.2				2		
177.	KS8	125	108	1.9	15	10	35	1.7	134.3	112.5
				1.7				1.5		
178.	L8	125	108	2.3	15	10	35	1.8	140	110
				1.8				1.3		
179.	ST8	115	106	2.1	16	10	26	1.8	130	112
				1.8				1.5		
180.	SY8	125	108	2.3	13	7	10	1.8	140	110
				1.8				1.3		
181.	FJ8.5	113	110	2.95	23	10	38	2.45	183	108
				1.8				1.6		
182.	B9	116	113	2.8	14	11	2	2.3	185	110
				1.7				1.5		
183.	KB9	121	116	2.6	11	10	40	2.3	180	110
				1.7				1.4		
184.	A10	130	108	3	22	12	26	2.8	210	160
				2.4				2.2		
185.	B10	110	144	1.8	20	15	47	1.6	150	125
				1.5				1.3		
186.	C10	105	144	1.85	20	15	47	1.65	140	120
				1.55				1.35		
187.	D10	105	144	1.95	20	15	47	1.75	150	114
				1.45				1.3		
188.	C10.5	105	144	1.85	20	15	47	1.65	150	110
				1.55				1.35		
189.	RT10.5	115.5	150	2.7	14	16	48	2.5	234	131
		116.5		1.6				1.4		

序号 NO.	极板型号 Plate Model(Ah)	极板外形尺寸 Plate Dimensions (MM)							极板质量 Plate Weight (g)	
		板高	板宽	板厚	耳高	耳宽	肩宽	耳厚	正极	负极
		Plate Height	Plate Width	Plate Thickness	Tab Height	Tab Width	Shoulder Width	Tab Thickness	Positive Plate	Negative Plate
190.	A11A	130	108	3	22	12	26	2.8	215	155
				2.4				2.2		
191.	B11	117	115	3.4	14	11	36	3.2	217	140
				2.2				2		
192.	M11	112	113	3.2	16	15.5	30.5	3	215	120
				2.1				1.9		
193.	M11-S	112	113	3.15	16	15.5	30.5	3	205	115
				1.95				1.9		
194.	ST11	113	115	2.9	16	8	32	2.7	190	138
				2.1				1.9		
195.	TS11A	113	115	3.1	16	8	32	2.7	192	126
				2				1.8		
196.	B12	110	146	2.4	19	15	44	2	200	160
				2				1.8		
197.	LW12	115	146	2.2	14	10	44	2	190	135
				1.6				1.4		
198.	ST12	95	143	2	20	16	44	1.6	160	110
				1.6	23			1.3		
199.	12.5	167	82	4	15	10	22	3.8	260	170
				2.6				2.4		
200.	B12.5	140	120	2.8	17	12	40	2.5	232	160
				1.9				1.7		
201.	ST12.5	108	143	2.3	19.5	12	35.5	2.1	167.5	127.5
				1.8	21			1.6		
202.	B13	110	146	2.9	20	12	47	2.7	230	160
				2.1				1.9		
203.	E13	152	122	2.5	21	12.5	37.5	2.3	220	180
				2				1.8		
204.	MB13	110	148	3.3	20	12	48	3.2	269	181
				2.3				2.2		
205.	MH13	110	146	2.9	20	12	37	2.7	223	154
				2.1				1.9		
206.	MH13B	110	146	2.9	20	12	47	2.7	223	154
				2.1				1.9		
207.	ST13	109	143	2.9	20	12	35.5	2.5	210	150
				2.1				1.9		
208.	14	111	147.5	2.9	24	14	43	2.7	220	190
				2.6				2.4		
209.	B14	156	118	3	20	14	32	2.9	255	180
				2.1				1.9		
210.	FJ14	158	118	2.9	21	13	36	2.5	275	175
				1.9				1.6		
211.	KS14	161	118	3	16	15	35	2.8	284	197
		162		2.1				1.9		
212.	M14	155	150	2	20	16	45.5	1.9	230	180
				1.7				1.4		
213.	ST14	125	150	2.45	18	16	44	2.25	217	161
				1.96				1.8		
214.	MH14	158	121	2.3	18	14	33.5	2.1	220	154
				1.7				1.5		
215.	ST14.5	130	144	2.45	27	16	41	2.25	222	165
		(底脚17)		1.95				1.8		
216.	A15	139	144	2.5	24	16	45.5	2.4	250	190
				2				1.9		

以上数据仅供参考 | The above data is for reference only

序号 NO.	极板型号 Plate Model(Ah)	极板外形尺寸 Plate Dimensions (MM)							极板质量 Plate Weight (g)	
		板高	板宽	板厚	耳高	耳宽	肩宽	耳厚	正极	负极
		Plate Height	Plate Width	Plate Thickness	Tab Height	Tab Width	Shoulder Width	Tab Thickness	Positive Plate	Negative Plate
217.	C15	139	144	2.4	24	16	45.5	2.2	230	185
				2				1.8		
218.	MH15	155	150	2.15	20	16	45.5	2.05	245	194
				1.85				1.55		
219.	ST15	132	150	2.4	20	16	44	2.3	227	175
				1.9	23			1.8		
220.	Z15	140	145	2.45	20	16	43	1.8	236	155
				1.65				1.4		
221.	16	113	150	3.6	17	16	34	3.4	290	205
				2.6				2.4		
222.	MH16	168	150	2.15	20	16	45.5	1.95	265	210
				1.85				1.65		
223.	Z16	140	145	2.6	20	16	43	1.8	253.5	168.5
				1.75				1.4		
224.	A16.5	154	152	2.1	20	18	44	1.8	252	196
				1.8				1.6		
225.	B17	154	150	2.5	18	16	49	2.3	300	225
				2				1.8		
226.	L17	154	150	2.5	20	17	44	2.3	292	206
				1.9				1.7		
227.	L17B	148	150	2.5	20	17	44	2.25	292	206
				1.85				1.65		
228.	M17	154	150	2.5	13	17	44	2.3	292	206
				1.9				1.7		
229.	M17-C	154	150	2.5	20	17	44	2.3	292	206
				1.9				1.7		
230.	MB17	154	152	2.8	20	16	50	2.6	340	239
				2.1				1.9		
231.	MH17	155	150	2.45	20	16	45.5	2.3	270	212
				2.05				1.85		
232.	RT17A	154	152	2.8	20	16	50	2.5	340	210
				1.8				1.6		
233.	RT17A-R	154	152	2.8	20	16	50	2.5	340	218
				1.9				1.7		
234.	ST17	156	150	2.45	18	16	44	2.25	265	200
				2				1.8		
235.	SN17A	152	152	2.95	22	14	50	2.6	335	195
				1.85				1.65		
236.	ST17.5	154	154	2.7	18	18	45.5	2.5	290	225
				1.9				1.7		
237.	C18	160	154	2.85	13	19	46	2.65	330	205
				1.75				1.55		
238.	FJ18	150	150	3.1	21	15	50	2.6	340	220
				2.1				1.8		
239.	M18	154	152	3	20	18	43	2.8	340	235
				2.1				1.9		
240.	MH18	154	152	3	16	16	54	2.8	350	235
				2.2				2		
241.	ST18	154	153	2.8	20	18.5	45	2.6	325	210
				1.8				1.6		
242.	SN18A	154	152	2.8	20	16	42.5	2.2	340	210
				1.9				1.6		
243.	RT18A	154	152	3	20	16	50	2.6	355	225
				2.1				1.6		
244.	KS18.5	158.5	152	2.8	15.5	16	50	2.6	351	238
				2				1.8		

序号 NO.	极板型号 Plate Model(Ah)	极板外形尺寸 Plate Dimensions (MM)							极板质量 Plate Weight (g)	
		板高	板宽	板厚	耳高	耳宽	肩宽	耳厚	正极	负极
		Plate Height	Plate Width	Plate Thickness	Tab Height	Tab Width	Shoulder Width	Tab Thickness	Positive Plate	Negative Plate
245.	ST18.5	150	150	2.8	18	14	6.5	2.5	330	210
				1.9				1.7		
246.	A20	154	154	3.2	19	18	45	3	380	260
				2.3				2.1		
247.	B20	154	154	3	19	18	45	2.8	360	250
				2.1				1.9		
248.	BSB20	225	121	2.85	18	14	28	2.7	370	226
				1.85				1.7		
249.	HW20	154	150	3.45	18	15	47.5	3	385	242
				2.3				1.9		
250.	SN20	154	150	2.55	20	16	41.5	2	290	195
				1.8				1.6		
251.	21	225	121	3	18	14	28	2.8	410	280
				2.2				2		
252.	D21	173	150	3.2	18	18	30	3	410	265
				2.3				2.1		
253.	D21B	173	150	3.3	18	18	44	3	425	290
				2.4				2.1		
254.	SN21	192	116	3.2	15	13	29	2.8	355	201
				1.95				1.8		
255.	H22	200	169	3	18	19	35	2.8	500	310
				2				1.8		
256.	K22	218	150	2.8	16	15	52	2.6	435	310
				2				1.8		
257.	C25	235	143	3.2	30	15	29	3	560	350
				2				1.8		
258.	C25B	235	143	3.1	30	15	29	3	555	355
				1.95				1.8		
259.	E25	245	149	3.3	33	16	50	3.1	600	420
		250		2.4	28			2.2		
260.	26	183	158	3.5	18	15	49	3.3	490	360
				2.7				2.5		
261.	S26	178	152	3.6	14	15	49	3.3	470	335
				2.8				2.5		
262.	27	220	150	3	20	15	45	2.8	490	340
				2.2				2		
263.	KS27	224.5	150	2.8	15.5	15	52	2.6	449	323
				2				1.8		
264.	RT28A	215	170	3	20	14	35	2.8	555	314
				1.8				1.6		
265.	D28	240	148	2.8	25	18	46	2.6	475	295
				2				1.7		
266.	ST28	220	167	2.9	18	14	33.5	2.7	535	350
				1.95				1.65		
267.	ST29	223	149	3.3	40	16	50	3	560	385
		228	146	2.5	35			2.1		
268.	MG30	235	167	2.95	20	18	35	2.8	555	377
				2.05				1.8		
269.	A31	225	170	3.2	18	16	34	2.8	600	405
				2.2				2		
270.	ST31	200	159	3.1	20	18	50	2.6	485	308
				2				1.6		
271.	PL32	245	162	3	20	15	45	2.8	590	410
				2.2				2		
272.	ST40	250	160	3.7	17	20	50	3.5	685	426
				2.4				2.2		

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APPLICATION FIELDS
应用领域

Motorcycles & Trikes [摩托车 & 三轮摩托]
Reliable power for smooth starts, ideal for urban and long-distance rides.
稳定供电，启动迅速，适用于城市通勤及长途骑行。

Jet Skis & Off-Road Motorcycles [摩托艇 & 越野摩托]
Strong performance for water and rough terrains, built for endurance.
强劲动力，耐用可靠，畅行水域与崎岖路况。

PLATES FOR MOTORCYCLE STARTER BATTERIES
摩托车启动电池极板

the Motorcycle Starter battery uses lead-calcium alloy plate technology for instant, powerful current release, designed for motorcycles, trikes, and jet skis. Durable, low self-discharge, and corrosion-resistant, it ensures quick starts and stable power. Ideal for commuting, long rides, cargo transport, and water adventures.

摩托车启动电池极板采用铅钙合金技术，瞬间释放强劲电流，专为两轮摩托、三轮摩托及摩托艇打造。高效耐用，低自放电，抗腐蚀更持久，确保启动迅速、动力稳定。无论是日常通勤、长途骑行、货运运输，还是水上驾驶，都能提供可靠电力支持，满足多种出行需求。

PLATES FOR MOTORCYCLE STARTER BATTERIES
摩托车启动电池极板

序号 NO.	极板型号 Plate Model(Ah)	极板外形尺寸 Plate Dimensions (MM)							极板质量 Plate Weight (g)	
		板高	板宽	板厚	耳高	耳宽	肩宽	耳厚	正极	负极
		Plate Height	Plate Width	Plate Thickness	Tab Height	Tab Width	Shoulder Width	Tab Thickness	Positive Plate	Negative Plate
1	E1.1	49	33	2.7	10	4	8	2.5	21	15
				1.9	11			1.7		
2	MT1.3	43	59	1.8	12	6	17.5	1.5	24	18
				1.4				1.2		
3	ZM1.3	43	58	1.8	11	6	17	1.4	22.5	15
				1.25				1.05		
4	GY1.4	62	54	1.55	12	6	14	1.3	28	21
				1.3				1.1		
5	SL1.4	62	54	1.55	11	6	15.5	1.3	28	21
				1.3				1.1		
6	ZM1.4	43	59	1.9	12	6	17.5	1.6	24.5	18.5
				1.5				1.2		
7	HM1.5	43	55	1.8	11	6	12	1.5	21	15.5
				1.4				1.1		
8	ZM1.5	62	58	1.6	12	6	17	1.3	29	20
				1.2				1.1		
9	GY1.6	75	47	1.5	12	6	13	1.3	27	23
				1.3				1.1		
10	GY1.6B	72	47	1.5	15	6	13	1.2	26.5	23.5
				1.4				1.1		
11	MH1.6	62	47	1.9	14	6	13.5	1.7	28	21
				1.6				1.4		
12	HM1.6	43	55	1.8	11	6	15.5	1.4	21	15
				1.4				1.2		
13	HM1.6C	43	57	1.65	11	5	17.5	1.05	20	13.5
				1.2				1.05		
14	HM1.6D	43	57	1.65	11	5	14	1.05	20	14
				1.2				1.05		
15	HM1.6E	43	55	1.65	11	5	16.5	1.05	19	13.5
				1.2				1.05		
16	TL1.6	62	50	1.7	12	6	14	1.2	26	20
				1.3				1.1		
17	MH1.7	50	73	1.7	12	8	18	1.5	35	27
				1.4				1.2		
18	ZT1.7	60	55	1.7	11	6	15	1.5	30	25
				1.4				1.2		
19	D1.8	66	56	1.8	12	8	14	1.6	35	30
				1.6				1.4		
20	GY1.8	48	70	1.8	12	8	17	1.5	31	25
				1.45				1.2		
21	GY1.9	47	68	1.9	13	8	16	1.5	31	23
				1.35				1.15		
22	FQ1.9	52/53	66	1.5	12	8	15	1.3	29	21
				1.3				1.1		
23	MB2	57	75	1.7	15	8	22	1.5	39	32
				1.4				1.2		
24	MT2	57	75	1.7	12	8	15.5	1.5	39	32
		58		1.4				1.2		
25	M2.3	95	65	1.6	12	7.5	16	1.4	50	39
				1.3				1.1		
26	Y2.3	80	45	2.4	12	5	13	2.1	41	32
				1.8				1.5		
27	L2.3	80	45	2.2	12	5	13	1.9	39	30
				1.7				1.4		
28	L2.4	72	62	1.8	10	8	12	1.5	40	30
				1.5				1.2		
29	MH2.4	85	58	1.7	13	7.5	16	1.5	43	35
				1.4				1.2		
30	ZM2.4	75	58	1.8	12	6	17	1.6	40	24.5
				1.25				1.1		
31	HM2.8	81	56	1.9	14	8	12.5	1.5	43	29
				1.4				1.2		
32	G3B	80	76	1.8	12	7	22	1.6	55	46
				1.5	13			1.3		
33	HM3	81	58	1.8	14	8	13.5	1.5	43	31
				1.4				1.1		
34	M3.2A	88	66	1.85	14	7	15	1.55	53	42
				1.55				1.35		
35	C3.5	96	76	1.8	13	7	22	1.6	62	55
				1.5	14			1.3		
36	M3.5	108	66	1.6	14	6.5	16	1.4	59	46
				1.3				1.1		
37	TX4	106	76	1.9	12	8	22	1.6	77	56
				1.4				1.2		

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