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 Tianneng Group Official

 Tianneng Group Official (@GroupTianneng)

 Tianneng Group



AUTOMOTIVE BATTERY

PRODUCT BROCHURE



www.tiannengglobal.com


\$10.8 billion

2022 Annual Sales

A+H Listed

6888.19.SH/00819.HK

4000+

Patents

No.29

Global New Energy Enterprise Ranking

Company Profile

Tianneng is a Global Leading New Energy Company committed to providing environmentally-friendly battery solutions for various industries worldwide since 1986.

Tianneng now has more than 30,000 employees and more than 130 subsidiaries around the world. There are 17 production bases in 7 provinces in China and 1 overseas manufacturing center in Vietnam is under construction. Tianneng set up 7 R&D centers to constantly develop technology and keep innovation in the area of lead acid batteries, lithium batteries, hydrogen Fuel Cells, and Sodium-ion batteries.

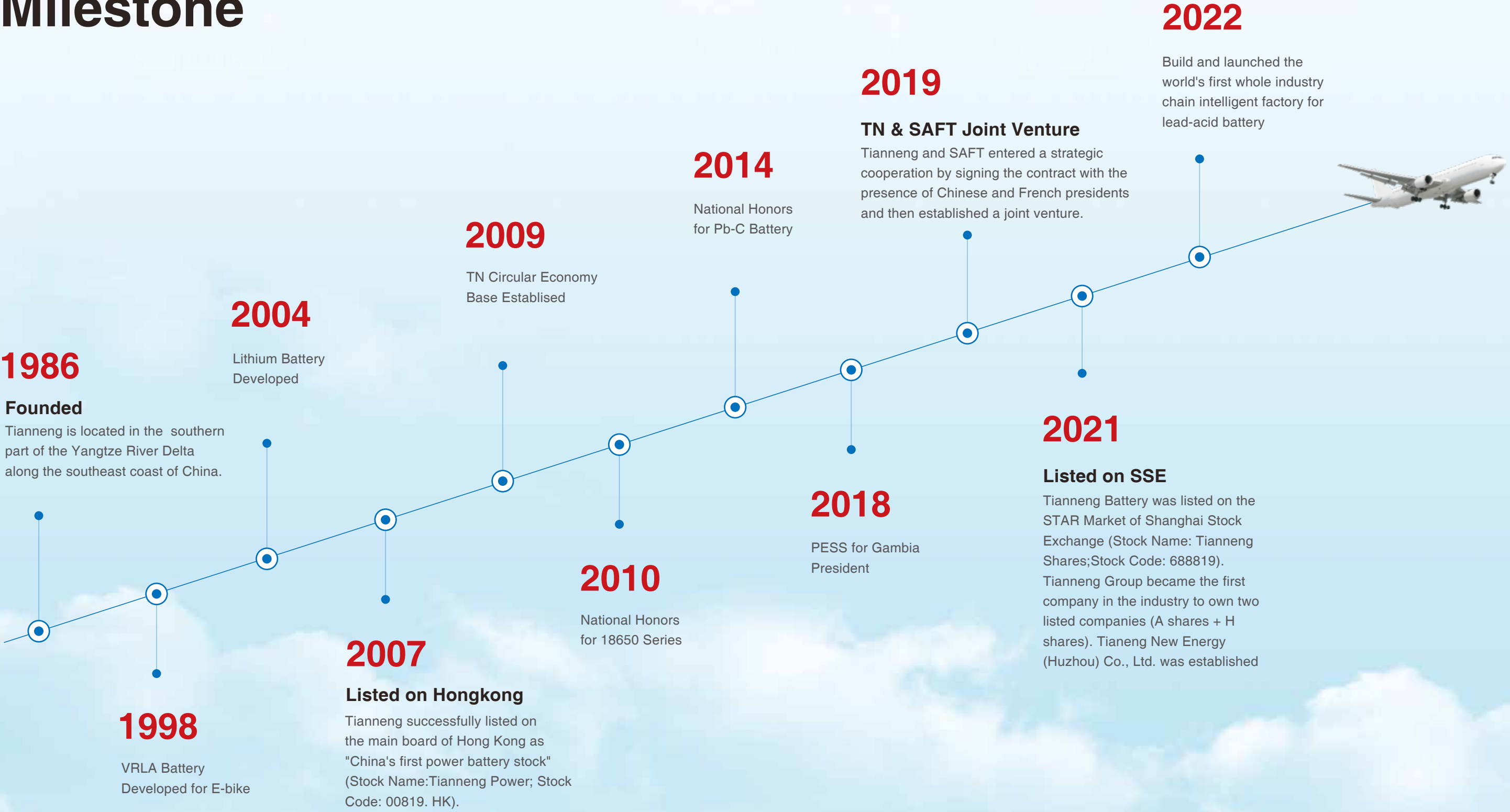
Honor:

- Top 1 in China Lead Acid Battery
- Top 10 in the Chinese battery industry
- Top 500 Chinese enterprises
- Global top 500 new energy enterprises

Main Business areas:

- Battery and system Solutions (Motive, SLI, Energy Storage)
- Battery Recycling Solutions (Lead Acid battery recycling, Lithium-ion battery recycling)

Milestone



Global Footprint

- 100+ Countries Footprint.
- 11+ Oversea Branches.
- Tianneng has a global footprint around the world, our business covering more than 100 countries and regions.
- **Market Performance**
2022 Global Delivery: **110Gwh+**

Headquarters

HQ: Huzhou, Zhejiang, China
INT HQ: Hongkong, China

Branch

APAC: Vietnam, Thailand, Indonesia, Philippines, Australia & New Zealand
India: India
MENA (Middle East and North Africa) : South Africa, Turkey
Americas: America, Argentina, Colombia
Europe: Netherlands, Germany



● Headquarters ● Office ● Office & factory

Intelligent Factory

Strong research and development strength

**60+**
Define industry standards

**3000+**
Industry patents

**2**
CNAS laboratories



In the intelligent factory, there are intelligent full-automatic production lines composed of first-class equipments, efficient energy-saving and environmental protection lines, and precise data command lines with the feature of achieving flexible manufacturing, energy conservation and environmental protection, and data traceability.



STARTER BATTERY-C SERIES

Strength

- Recommended Temperature $\leq 70^{\circ}\text{C}$
- Suitable for Conventional Vehicle
- High Capacity Density (Large Charge/ Discharge Capacity)

Product Appearance



PRODUCT FEATURE

- **Long Life Cycle**
Rare earth alloy grid→Extend Cycle Life
- **Strong Starting Capacity**
Special Partition→Low Internal Resistance and Low Water loss
- **Excellent Vibration Resistance**
Elastic reinforcement technology →Effectively Prevent the Active Materials Shedding
- **Excellent Charging Acceptance**
Special Electrolyte Formula→Great Charging Capacity
- **Maintenance Free**
Labyrinth Top Cover Structure→Don't Need to Add Water and Acid

APPLICATION

- Passenger Car
- Commercial Vehicle

STARTER BATTERY-S SERIES

Strength

- Recommended Temperature $\leq 70^{\circ}\text{C}$
- Suitable For Conventional Vehicle in a Cold Region of High Latitude or Altitude
- High Capacity Density (Large Charge/ discharge Capacity)

Product Appearance



PRODUCT FEATURE

- **Long Life Cycle**
High Tin Alloy Grid&Multistage Rolling Casting→Technology Extend Cycle Life
- **Stronger Starting Capacity**
Multi-plate Design+Special Partition→Larger Discharge Capacity, Stronger Starting Capacity than Standard Battery.
- **Excellent Vibration Resistance**
Elastic reinforcement technology →Effectively Prevent the Active Materials Shedding
- **Excellent Charging Acceptance**
Special Electrolyte Formula→Great Charging Capacity
- **Maintenance Free**
Labyrinth Top Cover Structure→Don't Need to Add Water and Acid

APPLICATION

- Passenger Car
- Commercial Vehicle

EFB Start-stop Battery

Strength

- Great Performance on Frequent and Continuous Engine Starting
- Save Fuel by 2% - 6% with Start Stop System
- Suitable for Conventional Vehicles Equipped with Idle Start Stop System
- Recommended Temperature $\leq 70^{\circ}\text{C}$

Product Appearance



PRODUCT FEATURE

- **Long Life Cycle --- 2 Times Longer than SLA Battery**
 - ①Special Rare Earth Alloy Formula→Enhance Grid Strength, Corrosion Resistance, Creep resistance
 - ②High Temperature Steaming and Curing Process→Extend Cycling Life
- **Strong Starting Capacity (Large CCA)---1.1Times Stronger than Original Battery**
 - ①Middle Ear Dense Grid Technology→Excellent Large Current Discharge Performance at Low Temperature
 - ②Duralife Technology→Low internal resistance and Strong Starting Ability at Low Temperature
- **Excellent Charging Acceptance**
 - ①Advanced Electrolyte Additive →Great Charging Capacity
 - ②High-energy Carbon Material →Great Charging Capacity
- **Excellent Vibration Resistance**
 - Tight Assembly Technology→Effectively Prevent the Active Materials Shedding

APPLICATION

- Passenger Car

AGM Start-stop Battery

Strength

- High Security without Leakage
- Great Performance on Frequent and Continuous Engine Starting
- Save Fuel by 4% - 8% with Start Stop System
- Suitable for High-end Vehicles Equipped with Idle Start Stop System
- Recommended Temperature $\leq 60^{\circ}\text{C}$

Product Appearance



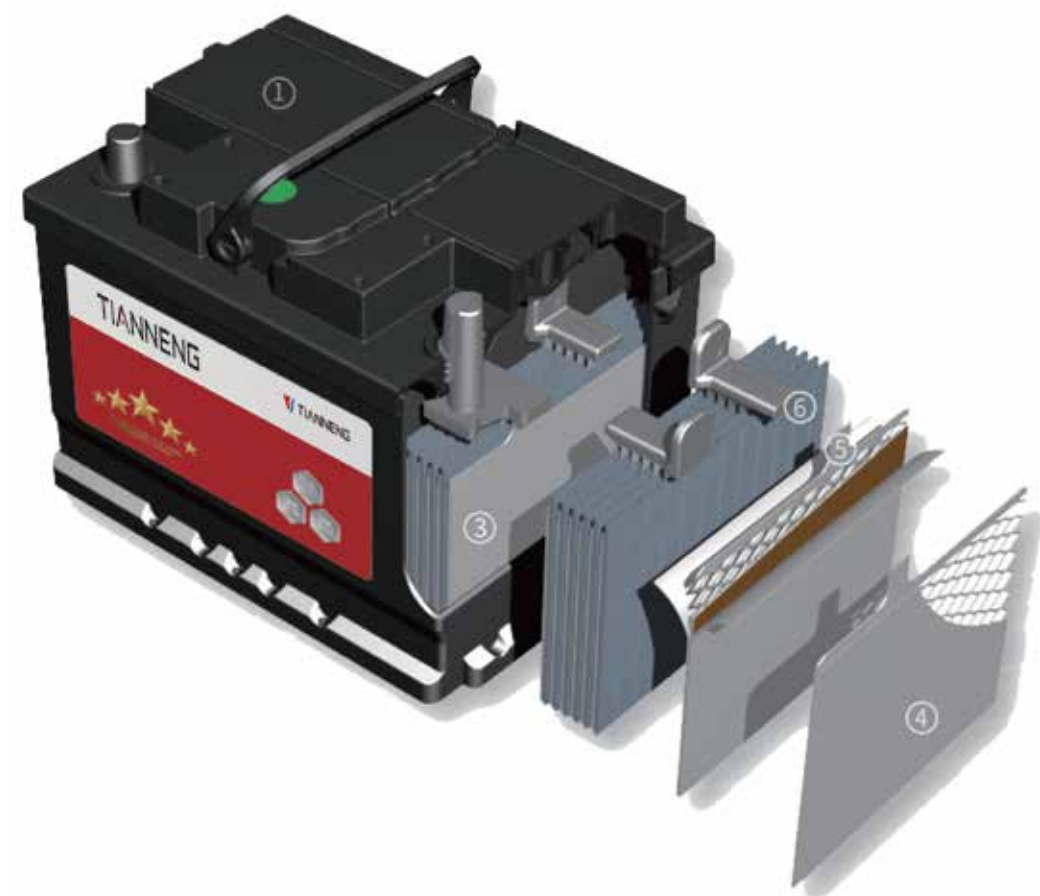
PRODUCT FEATURE

- **Long Life Cycle --- 3 Times Longer than SLA Battery**
 - ①Special Rare Earth Alloy Formula→Enhance Grid Strength, Corrosion Resistance, Creep resistance
 - ②High Temperature Steaming and Curing Process→Extend Cycling Life
- **Strong Starting Capacity (Large CCA)---1.2 Times Stronger than SLA Battery**
 - ①Large Grid→Excellent Large Current Discharge Performance at Low Temperature
 - ②Special Grid Structure Design →Low Internal Resistance and High Current Discharge Capacity
- **Excellent Charging Acceptance**
 - ①Advanced Electrolyte Additive →Great Charging Capacity
 - ②High-energy Carbon Material →Great Charging Capacity
- **Excellent Vibration Resistance**
 - High Elastic Fiberglass Partition →Effectively Prevent the Active Materials Shedding

APPLICATION

- Passenger Car

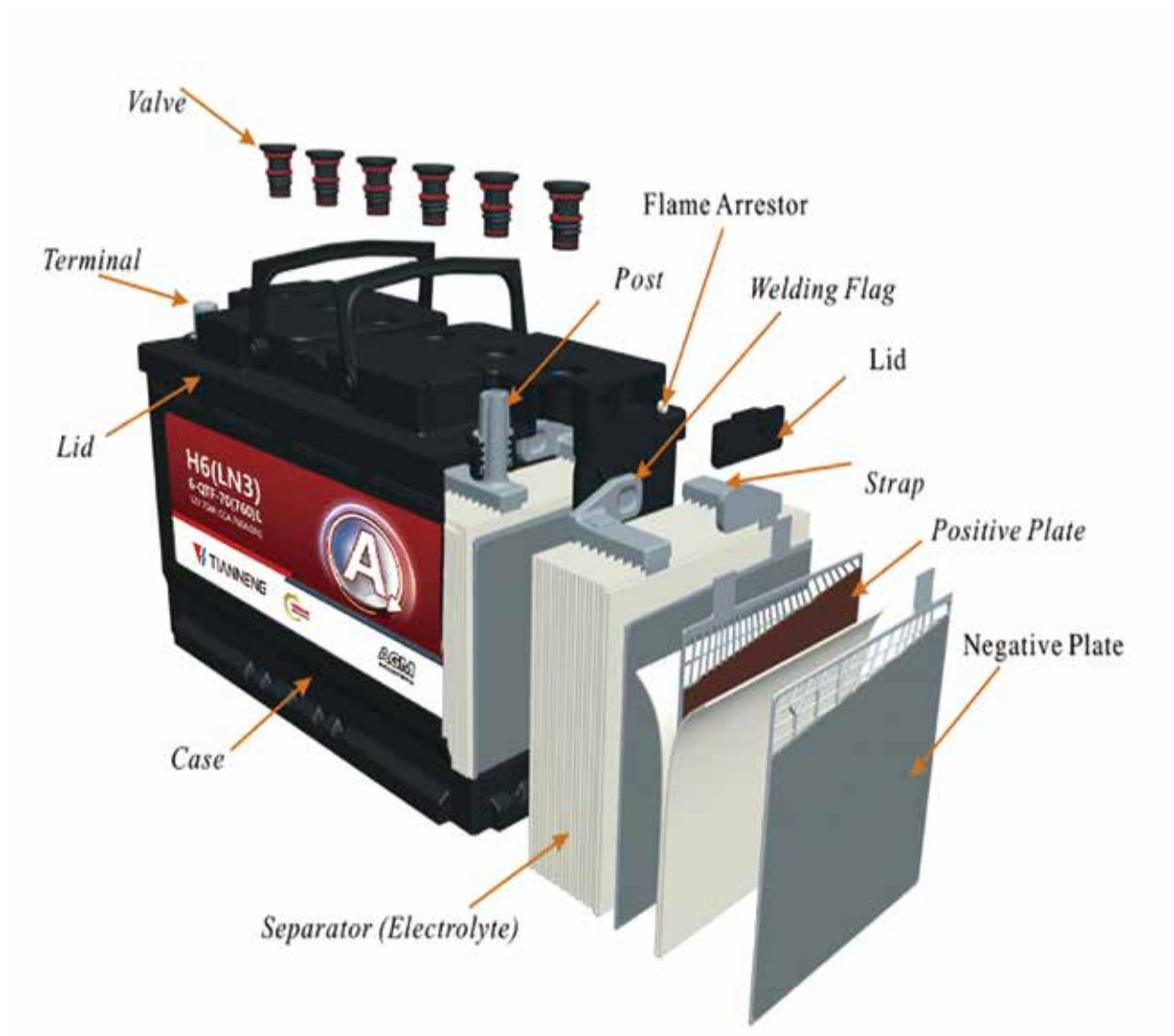
Product structure drawing



STARTER BATTERY-S SERIES

STARTER BATTERY-C SERIES

EFB START-STOP BATTERY



AGM START-STOP VALVE-OPERATED BATTERY

PRODUCT INTRODUCTION

Starter battery

EFB Start-stop battery

AGM Start-stop battery



Starter Battery

Product Parameters



STARTER BATTERY-C SERIES													
S/N	Model	International Model	International Standard	Nominal Voltage (V)	Nominal capacity C20 (Ah) 1.75Vpc/25°C	RC (min)	CCA/-18°C (A)	Dimension /+2mm				Terminal	Layout
								L	W	H	TH		
								±2	±2	±2	±2		
1	TA29280	38B20	JIS	12	30	44	245	196.5	128.5	201	222	T1	L/R
2	TA38300	54565	EN	12	38	57	300	206	174	174	174	T2	L/R
3	TA37325	46B24	JIS	12	40	60	325	237.5	129	201	222	T1/T2	L/R
		46B24X	JIS	12	40	60	325	237.5	129	201	222	T2	L
4	TA40370	58500	BCI	12	40	60	370	248	172	156	177	T2	R
5	TA49470	85610	BCI	12	49	77	470	230	171	183	202	T2	L
		86610	BCI	12	49	77	470	230	171	183	202	T2	R

STARTER BATTERY-C SERIES													
S/N	Model	International Model	International Standard	Nominal Voltage (V)	Nominal capacity C20 (Ah) 1.75Vpc/25°C	RC (min)	CCA/-18°C (A)	Dimension /+2mm				Terminal	Layout
								L	W	H	TH		
								±2	±2	±2	±2		
6	TA51425A	55D23X	JIS	12	51	81	425	230	171	203	223	T2	L
7	TA51425B	55D26X	JIS	12	51	81	425	259	171	203	223	T2	L/R
8	TA54425	L2 400	EN	12	53	85	425	241	174.5	189	189	T2	L/R
9	TA55435	75D23X	JIS	12	55	88	435	230	171	203	223	T2	L
10	TA59480	T6	EN	12	59	96	480	276	174	174	174	T2	L
11	TA66540	57220	EN	12	66	110	540	276	174	189	189	T2	L
12	TA69530	95D31X	JIS	12	69	116	530	305	171	203	223	T2	L/R
13	TA90680	105E41	JIS	12	90	158	680	408	173	205	226	T2/B	R
14	TA92720	105E41	JIS	12	92	163	720	408	173	205	226	T2	R
15	TA108700	N120	JIS	12	112	205	700	507	183	193.5	216	T2	R
16	TA120800	N150	JIS	12	130	245	800	510	216	194	217	T2	R
17	TA130820	N165	JIS	12	143	273	850	510	216	194	217	T2	R
18	TA155900	N180	JIS	12	155	302	900	510	216	194	217	T2	L

STARTER BATTERY-S SERIES													
S/N	Model	International Model	International Standard	Nominal Voltage (V)	Nominal capacity C20 (Ah) 1.75Vpc/25°C	RC (min)	CCA/-18°C (A)	Dimension /+2mm				Terminal	Layout
								L	W	H	TH		
								±2	±2	±2	±2		
1	TA36325	38B20	JIS	12	40	60	325	196.5	128.5	201	222	T1	L/R
2	TA45380	55B24	JIS	12	45	70	380	237.5	129	201	222	T1/T2	L/R
		55B24X	JIS	12	45	70	380	237.5	129	201	222	T2	L
3	TA45350	54565	EN	12	46	71	350	206	174	174	174	T2	L
4	TA48430	58500	BCI	12	49	77	430	248	172	156	177	T2	R
5	TA55550	85 610	BCI	12	58	94	550	230	171	183	202	T2	L
		86 610	BCI	12	58	94	550	230	171	183	202	T2	R
6	TA60480	65D23X	JIS	12	63	103	480	230	171	203	223	T2	L
7	TA60500A	65D26X	JIS	12	63	103	500	259	171	203	223	T2	L/R
8	TA60500B	L2 450	EN	12	63	103	500	241	174.5	189	189	T2	L/R
9	TA65520	80D23	JIS	12	66	110	520	230	171	203	223	T2	L
10	TA66590	T6	EN	12	69	116	590	276	174	174	174	T2	L
11	TA70580B	90D26X	JIS	12	74	126	580	259	171	203	223	T2	L/R

STARTER BATTERY-S SERIES													
S/N	Model	International Model	International Standard	Nominal Voltage (V)	Nominal capacity C20 (Ah) 1.75Vpc/25°C	RC (min)	CCA/-18°C (A)	Dimension /+2mm				Terminal	Layout
								L	W	H	TH		
								±2	±2	±2	±2		
12	TA72650	57220	EN	12	78	134	650	276	174	189	189	T2	L
13	TA80680	20-82	EN	12	81	140	680	314	174	189	189	T2	L
14	TA80620	105D31X	JIS	12	81	141	620	305	171	203	223	T2	L
15	TA85650	58020	EN	12	85	147	650	314	174	174	174	T2	L
16	TA100720	115E41	JIS	12	102	184	720	408	173	205	226	T2	R
17	TA100750	31S 750	BCI	12	102	184	750	332	173.5	219.5	239	T2	R
18	TA100800	20-100	EN	12	102	184	800	352	174	189	189	T2	L
19	TA120850	130E41	JIS	12	121	224	850	408	173	205	226	T2	R
20	TA1801000	N195	JIS	12	180	340	1000	517	221	195	228	T2	L/R
21	TA1801200	N180	JIS	12	181	361	1200	510	216	194	217	T2	R
22	TA2001100	N225	JIS	12	200	400	1100	506	264	200	232	T2	R
23	TA2001250	N200	JIS	12	206	422	1250	513.5	267	212.5	236	T2	L

Start-stop Battery

Product Parameters



TAS (EFB START-STOP)													
S/N	Model	International Model	International Standard	Nominal Voltage (V)	Nominal capacity C20 (Ah) 1.75Vpc/25°C	RC (min)	CCA/-18°C (A)	Dimension /+2mm				Terminal	Layout
								L	W	H	TH		
								±2	±2	±2	±2		
1	TAS60610	EFB Q-85	JIS	12	60	117	610	230	171	203	223	T2	L/R
2	TAS75660	EFB S-95	JIS	12	75	137	660	259	171	203	223	T2	L
3	TAS60640	EFB H5(LN2)	EN	12	60	117	640	241	175	189	189	T2	L/R
4	TAS70700	EFB H6(LN3)	EN	12	70	137	700	276	174	189	189	T2	L
5	TAS80750	EFB H7(LN4)	EN	12	80	157	750	314	174	189	189	T2	L
6	TAS75700	EFB T7(LBN4)	EN	12	75	138	700	314	174	175	175	T2	L

TAA (AGM START-STOP)													
S/N	Model	International Model	International Standard	Nominal Voltage (V)	Nominal capacity C20 (Ah) 1.75Vpc/25°C	RC (min)	CCA/-18°C (A)	Dimension /+2mm				Terminal	Layout
								L	W	H	TH		
								±2	±2	±2	±2		
1	TAA60660	AGM H5(LN2)	EN	12	60	110	660	242	175	189	189	T2	L
2	TAA70760	AGM H6(LN3)	EN	12	70	130	720	278	175	189	189	T2	L
3	TAA80800	AGM H7(LN4)	EN	12	80	150	800	314	175	189	189	T2	L
4	TAA92850	AGM H8(LN5)	EN	12	92	170	850	353	175	189	189	T2	L
5	TAA105950	AGM H9(LN6)	EN	12	105	200	900	393	175	189	189	T2	L

Terminal

T1	T2	B

CONTACT US NOW!

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