



Trane

PRODUCT OVERVIEW





Trane

SILVER CALCIUM SMF

SEALED MAINTENANCE FREE

The New Trane Silver-Calcium Sealed Maintenance Free (SMF) Battery

For several years now, Siam Battery Industry has been conducting research and development of Silver-Calcium batteries to a point where we can now provide our customers with a battery which offers all the advantages of Calcium batteries without the usual drawbacks, such as premature capacity loss and lack of rechargability. Our efforts were duly recognized by the influential Finnish "TM" car magazine in 2003, 2006 and 2009. Our batteries were rated 5-star and ranked 2nd in 2003; rated 5-star and ranked 1st in 2006; rated 5-star and ranked 1st again in 2009. Here are just some of the reasons why the new Trane Silver-Calcium SMF battery was so highly regarded by the Finnish "TM" car magazine: -

Silver-Calcium High-Tin Alloy Grids

1. Offer the highest resistance to plate corrosion, meaning longer life of battery.
2. Offer the best resistance to plate damage from overcharging and high underbonnet temperatures.
3. Improve charge retention by a massive 300% when compared to conventional low-antimonial plate grids.
4. Reduce water loss by 90%

Totally New Grid Design: Taller, Wider and More Robust

The obvious benefits of this new U.S.-designed Silver-Calcium grids are improved CCA, AH and Reserve Capacity outputs. Another obvious advantage is the longer service life due to the much thicker plate frame perimeter which greatly reduces the likelihood of cracked or broken plates from excessive vibration.

Exclusive Patented Intercell Connection

Designed and patented by our Technical Associate, Moll Batterien, a very specialized German battery company who invented the Kamina lids, who manufactures OE batteries for VW, Audi and Porsche, the exclusive intercell sealing rings can prevent very small leakage and achieve the most excellent cell connection thereby completely eliminating the premature failure due to cracked lead in the intercell connection.

Special Charge Acceptance Booster

It acts to neutralize the lead sulfate thereby making the battery very easy to recharge. The technical laboratory tests of Charge Acceptance have shown the significant superiority of the **Trane** Silver-Calcium SMF battery when compared to other ordinary Calcium batteries. This fact was clearly shown in the Finnish "TM" car magazine Charge Acceptance Test, whereby **Trane** Silver-Calcium SMF battery far outperformed all 17 other contestants in the test.

True Maintenance-free Characteristics

Extensive trial of **Trane** Silver-Calcium SMF have shown electrolyte loss to be reduced by 90% and charge retention to be improved by 300% on average when compared to the conventional low-antimonial battery. Furthermore, **Trane** Silver-Calcium SMF battery has succeeded in doubling the amount of electrolyte reserve above the plates thereby completely eliminating any need to top up during the entire life of the battery.

Ergonomic, User-friendly, Robust and Integrated Handles

All new **Trane** Silver-Calcium SMF batteries are equipped with integrated, strong and easy-to-use handles which can neatly be snapped back into the lid and thus will not get in the way.

Power Eye

Or magic eye is also provided as standard for easy checking of the battery state of charge.

Special Lid Construction with Central Gas Venting and Flash Arrestors

The specially designed lid of **Trane** Silver-Calcium SMF battery prevents acid spillage, allows gas venting only from a centralized location and is equipped with flash arrestors for security against sparks and flame. It also provides facilities to connect the vent hole to a tube so the gases can be vented to the outside area.





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The Superiority of TRANE SMF

1. Labyrinth-designed Lid Specially designed to prevent acid spillage and water loss by condensation of acid mist, and return the condensed liquid back to the cell reservoir.

2. Sealed Maintenance Free Lid Completely seals the lid to prevent any unauthorised interference in the battery. Thus the original factory expertise is guaranteed.

3. Flash Arrestor Protects against explosions caused by external flame or sparks.

4. Gas Emission Management Battery L-shape outlets will deliver the gases to the outside area by connecting to a tube.

5. Handle The ergonomic, user-friendly, strong and robust handle can be neatly pushed back into the lid.

6. Power Eye Magic eye or indicator is also provided for easy checking of the battery state of charge.

7. High, Impact, Resistant 100% Virgin PP Copolymer Container and Lid World Class technology, no recycled materials, robust and durable against ultraviolet rays. Highest safety.

8. Sealing Ring Allows 100% airtight sealing between cells. Makes better and cleaner welding between cells which allows maximum current flows. Eliminates corrosions and leakage between cells. Very low self discharge.

9. Positive and Negative Plates Use only the highest purity soft lead to make the active materials.

10. Silver-Calcium High-Tin Alloy Grid Designed with thicker wires and full-frames to allow better current flows, more power and longer service life. Trane's High-tin alloy enhances cyclic stability.



SPECIFICATIONS OF 'TRANE' BRAND SILVER CALCIUM SMF WETCHARGED BATTERIES

BATTERY TYPE	JIS OR DIN TYPE	AMP HOURS	RESERVE CAPACITY MINS.	CCA -18 C	Overall Dimensions (mm.)				TYPE OF TERMINALS	TYPE OF LAYOUT	PICTURE NUMBER
					Length	Width	Height	Total Height			
105H44 SMF	NS40Z SMF	35	65	440	194	126	200	221	S	1	1
105H44L SMF	NS40ZL SMF	35	65	440	194	126	200	221	S	0	1
105H44S SMF	NS40ZS SMF	35	65	440	194	126	200	221	B	1	1
105H44LS SMF	NS40ZLS SMF	35	65	440	194	126	200	221	B	0	1
106H50S SMF	N40 SMF	40	70	470	237	127	200	221	B	1	2
106H50LS SMF	N40L SMF	40	70	470	237	127	200	221	B	0	2
106H60 SMF	NS60 SMF	45	85	510	237	127	200	221	S	1	3
106H60L SMF	NS60L SMF	45	85	510	237	127	200	221	S	0	3
106H60S SMF	NS60S SMF	45	85	510	237	127	200	221	B	1	3
106H60LS SMF	NS60LS SMF	45	85	510	237	127	200	221	B	0	3
12JB70 SMF	55D23R SMF	60	110	530	230	171	203	224	B	0	4
12JB70L SMF	55D23L SMF	60	110	530	230	171	203	224	B	1	4
12HB60 SMF	N50 SMF	50	95	460	268	172	200	221	B	1	5
12HB60L SMF	N50L SMF	50	95	460	268	172	200	221	B	0	5
12HB60HD SMF	N60 SMF	60	110	470	268	172	200	221	B	1	5
12HB60LHD SMF	N60L MSF	60	110	470	268	172	200	221	B	0	5
12HB80 SMF	NS70 SMF	65	130	640	268	172	200	221	B	1	5
12HB80L SMF	NS70L SMF	65	130	640	268	172	200	221	B	0	5
108M80 SMF	N70 SMF	70	130	650	302	171	200	221	B	1	6
108M80L SMF	N70L SMF	70	130	650	302	171	200	221	B	0	6
108M90 SMF	N70Z SMF	75	150	730	302	171	200	221	B	1	6
108M90L SMF	N70ZL SMF	75	150	730	302	171	200	221	B	0	6
108M100 SMF	N85 SMF	85	170	820	302	171	200	221	B	1	6
108M100L SMF	N85L SMF	85	170	820	302	171	200	221	B	0	6
108M100 SMF	N90 SMF	90	170	820	302	171	200	221	B	1	6
108M100L SMF	N90L SMF	90	170	820	302	171	200	221	B	0	6
12LB44 SMF	DIN44 SMF	44	85	450	208	175	-	190	B	0	7
12LB44L SMF	DIN44L SMF	44	85	450	208	175	-	190	B	1	7
12VBL45 SMF	DIN45 SMF	45	85	520	242	175	-	175	B	0	8
12VBL45L SMF	DIN45L SMF	45	85	520	242	175	-	175	B	1	8
12VB55 SMF	DIN55 SMF	55	105	550	242	175	-	190	B	0	9
12VB55L SMF	DIN55L SMF	55	105	550	242	175	-	190	B	1	9
12VB65 SMF	DIN65 SMF	65	115	600	242	175	-	190	B	0	9
12VB65L SMF	DIN65L SMF	65	115	600	242	175	-	190	B	1	9
12FB66 SMF	DIN66 SMF	66	125	610	275	175	-	190	B	0	10
12FB66L SMF	DIN66L SMF	66	125	610	275	175	-	190	B	1	10
12FB75 SMF	DIN75 SMF	75	130	680	275	175	-	190	B	0	10
12FB75L SMF	DIN75L SMF	75	130	680	275	175	-	190	B	1	10
12FB85 SMF	DIN85 SMF	85	145	780	275	175	-	190	B	0	10
12FB85L SMF	DIN85L SMF	85	145	780	275	175	-	190	B	1	10
12MB88 SMF	DIN88 SMF	88	165	720	352	175	-	190	B	0	11
12MB88L SMF	DIN88L SMF	88	165	720	352	175	-	190	B	1	11
12MB95 SMF	DIN92 SMF	92	170	790	352	175	-	190	B	0	11
12MB95L SMF	DIN92L SMF	92	170	790	352	175	-	190	B	1	11
12MB105 SMF	DIN100 SMF	100	190	850	352	175	-	190	B	0	11
12MB105L SMF	DIN100L SMF	100	190	850	352	175	-	190	B	1	11
11M105 SMF	N100 SMF	100	175	835	405	173	208	230	B	1	12
11M105L SMF	N100L SMF	100	175	835	405	173	208	230	B	0	12
11M110 SMF	N110 SMF	110	190	920	405	173	208	230	B	1	12
11M110L SMF	N110L SMF	110	190	920	405	173	208	230	B	0	12
12EA135 SMF(T)	N120 SMF	120	210	950	509	188	195	216	B	4	13
12EA135L SMF(T)	N120L SMF	120	210	950	509	188	195	216	B	3	13
14EA150 SMF(T)	N150 SMF	150	260	1000	509	222	195	216	B	4	14
14EA150L SMF(T)	N150L SMF	150	260	1000	509	222	195	216	B	3	14
14EA170 SMF(T)	N170 SMF	170	260	1050	509	222	195	216	B	4	14
14EA170L SMF(T)	N170L SMF	170	260	1050	509	222	195	216	B	3	14
17EA210 SMF(T)	N200 SMF	200	350	1200	513	273	214	236	B	4	15
17EA210L SMF(T)	N200L SMF	200	350	1200	513	273	214	236	B	3	15
17EA230 SMF(T)	N220 SMF	220	385	1300	513	273	214	236	B	4	15
17EA230L SMF(T)	N220L SMF	220	385	1300	513	273	214	236	B	3	15

PICTURE
NUMBER

1

105H44 SMF (NS40Z SMF)
105H44L SMF (NS40ZL SMF)
105H44S SMF (NS40ZS SMF)
105H44LS SMF (NS40ZLS SMF)



105H44L SMF (NS40ZL SMF)

PICTURE
NUMBER

2

106H50S SMF (N40 SMF)
106H50LS SMF (N40L SMF)



106H50LS SMF (N40L SMF)

PICTURE
NUMBER

3

106H60 SMF (NS60 SMF)
106H60L SMF (NS60L SMF)
106H60S SMF (NS60S SMF)
106H60LS SMF (NS60LS SMF)



106H60L SMF (NS60L SMF)

PICTURE
NUMBER

4

12JB70 SMF (55D23R SMF)
12JB70L SMF (55D23L SMF)



12JB70L SMF (55D23L SMF)

PICTURE
NUMBER

5

12HB60 SMF (N50 SMF) 12HB80 SMF (NS70 SMF)
12HB60L SMF (N50L SMF) 12HB80L SMF (NS70L SMF)
12HB60HD SMF (N60 SMF)
12HB60LHD SMF (N60L MSF)



12HB80L SMF (NS70L SMF)

PICTURE
NUMBER

6

108M80 SMF (N70 SMF) 108M100 SMF (N85 SMF)
108M80L SMF (N70L SMF) 108M100L SMF (N85L SMF)
108M90 SMF (N70Z SMF) 108M100 SMF (N90 SMF)
108M90L SMF (N70ZL SMF) 108M100L SMF (N90L SMF)



108M90L SMF (N70ZL SMF)

PICTURE
NUMBER

7

12LB44 SMF (DIN44 SMF)
12LB44L SMF (DIN44L SMF)



12LB44 SMF (DIN44 SMF)

PICTURE
NUMBER

8

12VBL45 SMF (DIN45 SMF)
12VBL45L SMF (DIN45L SMF)



12VBL45 SMF
(DIN45 SMF)



PICTURE
NUMBER

9

12VB55 SMF (DIN55 SMF)
12VB55L SMF (DIN55L SMF)
12VB65 SMF (DIN65 SMF)
12VB65L SMF (DIN65L SMF)

12VB55 SMF
(DIN55 SMF)

PICTURE
NUMBER

10

12FB66 SMF (DIN66 SMF) 12FB85 SMF (DIN85 SMF)
12FB66L SMF (DIN66L SMF) 12FB85L SMF (DIN85L SMF)
12FB75 SMF (DIN75 SMF)
12FB75L SMF (DIN75L SMF)



12FB75 SMF (DIN75 SMF)

PICTURE
NUMBER

11

12MB88 SMF (DIN88 SMF) 12MB105 SMF (DIN100 SMF)
12MB88L SMF (DIN88L SMF) 12MB105L SMF (DIN100L SMF)
12MB95 SMF (DIN92 SMF)
12MB95L SMF (DIN92L SMF)



12MB88 SMF (DIN88 SMF)

PICTURE
NUMBER

12

11M105 SMF (N100 SMF)
11M105L SMF (N100L SMF)
11M110 SMF (N110 SMF)
11M110L SMF (N110L SMF)



11M110L SMF (N110L SMF)



PICTURE
NUMBER

13

12EA135 SMF(T) (N120 SMF)
12EA135L SMF(T) (N120L SMF)



12EA135L SMF(T) (N120L SMF)

PICTURE
NUMBER

14

14EA150 SMF(T) (N150 SMF)
14EA150L SMF(T) (N150L SMF)
14EA170 SMF(T) (N170 SMF)
14EA170L SMF(T) (N170L SMF)



14EA150L SMF(T) (N150L SMF)

PICTURE
NUMBER

15

17EA210 SMF(T) (N200 SMF)
17EA210L SMF(T) (N200L SMF)
17EA230 SMF(T) (N220 SMF)
17EA230L SMF(T) (N220L SMF)



17EA210L SMF(T) (N200L SMF)



The Real 5-Star Battery





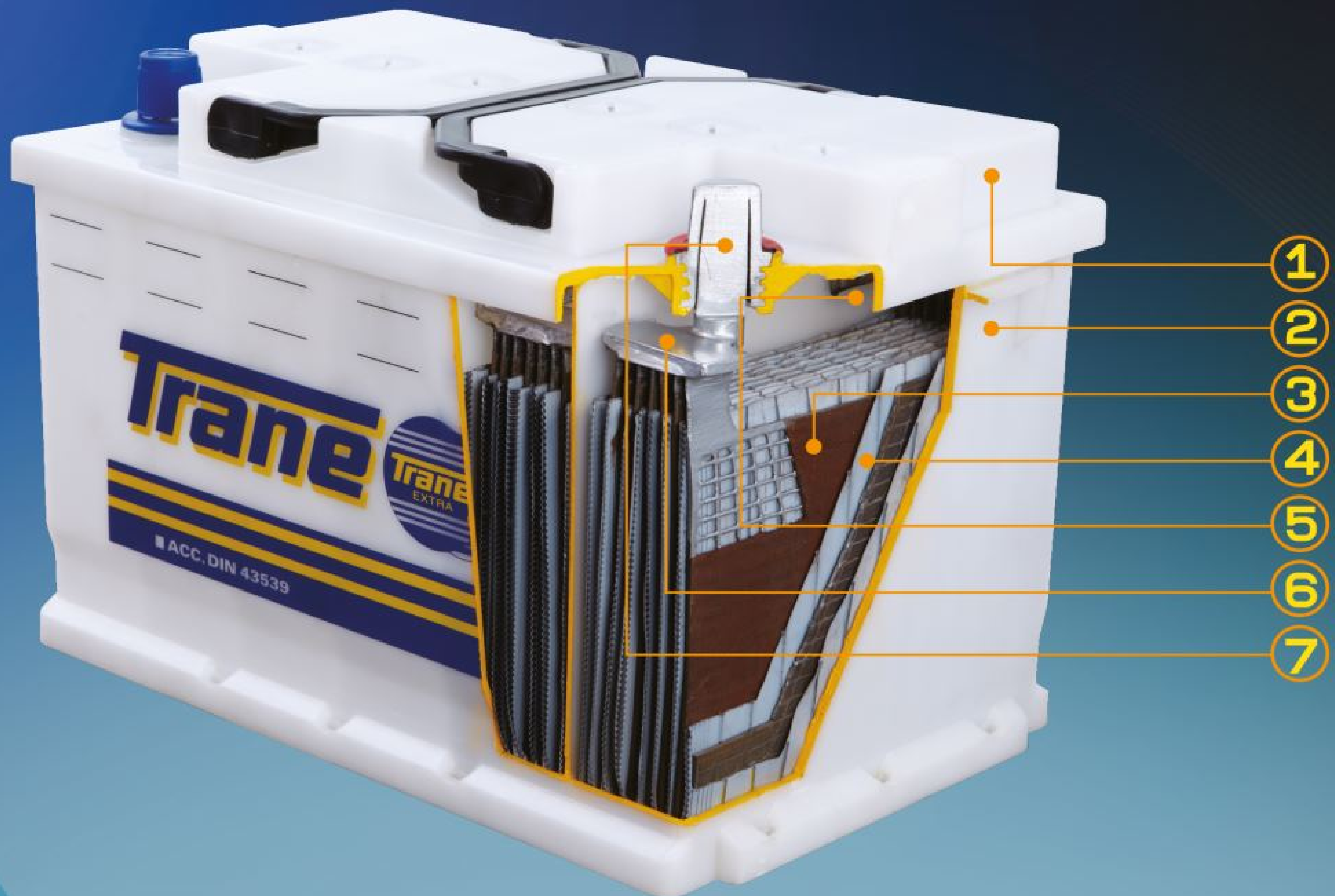
The Classic Trane drycharged Low-Maintenance Battery

For worry-free and long-time storage of drycharged batteries, no other battery will serve you better. The classic drycharged Trane battery which is fortified with Selenium remains fresh and ready for starting for years. No heat will occur after filling with electrolyte. This is because the Trane drycharged battery plates are protected with a layer of special, patented chemical which will keep the plates free from oxidation caused by the oxygen in the air. This special chemical layer can be removed only when it comes into contact with the sulfuric acid electrolyte, thereby insuring the always excellent plate protection during storage. However, as soon as the special protective chemical is removed, the battery will work as a fresh and energy-filled battery.

Furthermore, the Trane drycharged battery plates utilize a very low level of Antimony and an ideal dosage of Selenium additive to ensure very low water loss as well as a very long service life.



STRUCTURAL FEATURES AND BENEFITS



1. HANDLES

Convenient and strong. Can be neatly pushed back into the lid.

3. POSITIVE AND NEGATIVE PLATES

Use very low Antimony, fortified with Selenium. Use only the highest purity soft Lead. Use a special chemical to protect the negative plates against oxidation.

5. COMPUTER-MONITORED THRU-PARTITIONED WELDED CELL CONNECTORS

Any off-spec welding is automatically rejected.

7. AUTOMATICALLY, CONSISTENTLY AND DEEPLY BURNED TERMINAL POSTS

Ensure excellent and long-life delivery of high density electrical energy to the car starting motor and other electrical accessories.

2. HIGH IMPACT, UV RESISTANT, 100% VIRGIN PP COPOLYMER CONTAINER AND LID

World class technology. Uses only 100% virgin PP. No recycled materials. Robust and durable against U.V. rays. Highest safety.

4. WORLD CLASS MICROPOROUS P/E POCKET SEPARATORS

Eliminate internal short circuits. Extend service life. Give high CCA's. Reduce water loss.

6. CAST-ON-STRAPS ONLY

Built by the most modern COS machines. No hand burning.

Trane
EXTRA

SPECIFICATION OF 'TRANE' BRAND DRYCHARGED BATTERIES

BATTERY TYPE	JIS OR DIN TYPE	CAPACITY at 20Hr rate(Ah)	Overall Dimensions (mm.)				TYPE OF TERMINALS	TYPE OF LAYOUT	PICTURE NUMBER
			Length	Width	Height	Total Height			
105H44PE	NS40Z	35	194	126	200	221	S	1	1
105H44LPE	NS40ZL	35	194	126	200	221	S	0	1
105H44PES	NS40ZS	35	194	126	200	221	B	1	1
105H44LPES	NS40ZLS	35	194	126	200	221	B	0	1
106H50PES	N40	40	237	127	200	221	B	1	2
106H50LPES	N40L	40	237	127	200	221	B	0	2
106H60PE	NS60	45	237	127	200	221	S	1	3
106H60LPE	NS60L	45	237	127	200	221	S	0	3
106H60PES	NS60S	45	237	127	200	221	B	1	3
106H60LPES	NS60LS	45	237	127	200	221	B	0	3
12JB60PEHD	55D23R	60	230	171	203	224	B	1	4
12JB60LPEHD	55D23L	60	230	171	203	224	B	0	4
12HB50PE	N50	50	270	172	200	221	B	1	5
12HB50LPE	N50L	50	270	172	200	221	B	0	5
12HB60PE	N60	60	270	172	200	221	B	1	5
12HB60LPE	N60L	60	270	172	200	221	B	0	5
12HB80PE	NS70	65	270	172	200	221	B	1	5
12HB80LPE	NS70L	65	270	172	200	221	B	0	5
108M80PE	N70	70	302	171	200	221	B	1	6
108M80LPE	N70L	70	302	171	200	221	B	0	6
108M90PE	N70Z	75	302	171	200	221	B	1	6
108M90LPE	N70ZL	75	302	171	200	221	B	0	6
108M100PE	N85	85	302	171	200	221	B	1	6
108M100LPE	N85L	85	302	171	200	221	B	0	6
108M100PE	N90	90	302	171	200	221	B	1	6
108M100LPE	N90L	90	302	171	200	221	B	0	6
11M100PE	N100	100	405	173	208	230	B	1	7
11M100LPE	N100L	100	405	173	208	230	B	0	7
11M105PE	N110	110	405	173	208	230	B	1	7
11M105LPE	N110L	110	405	173	208	230	B	0	7
12E135PER	N120	120	500	180	210	236	B	4	8
12E135LPER	N120L	120	500	180	210	236	B	3	8
12EA135PE	N120	120	512	188	195	217	B	4	9
12EA135LPE	N120L	120	512	188	195	217	B	3	9
14E150PER	N150	150	504	219	210	236	B	4	10
14E150LPER	N150L	150	504	219	210	236	B	3	10
14EA150PE	N150	150	512	222	195	217	B	4	11
14EA150LPE	N150L	150	512	222	195	217	B	3	11
14E160PER	N160	160	504	219	210	236	B	4	10
14E160LPER	N160L	160	504	219	210	236	B	3	10
14EA170PE	N170	170	512	222	195	217	B	4	11
14EA170LPE	N170L	170	512	222	195	217	B	3	11
17EH210PER	N200	200	517	276	216	242	B	4	12
17EH210LPER	N200L	200	517	276	216	242	B	3	12
17EA210PE	N200	200	515	274	215	237	B	4	13
17EA210LPE	N200L	200	515	274	215	237	B	3	13
17EA230PE	N220	220	515	274	215	237	B	4	13
17EA230LPE	N220L	220	515	274	215	237	B	3	13
109HL105PE	60528	105	344	172	212	233	B	0	14
109HL105LPE	60527	105	344	172	212	233	B	1	14
12LB44ME	DIN44	44	208	175	-	190	B	0	15
12LB44LME	DIN44L	44	208	175	-	190	B	1	15
12VBL45ME	DIN45	45	242	175	-	175	B	0	16
12VBL45LME	DIN45L	45	242	175	-	175	B	1	16
12VB55ME	DIN55	55	242	175	-	190	B	0	17
12VB55LME	DIN55L	55	242	175	-	190	B	1	17
12VB65ME	DIN65	65	242	175	-	190	B	0	17
12VB65LME	DIN65L	65	242	175	-	190	B	1	17
12FB66ME	DIN66	66	275	175	-	190	B	0	18
12FB66LME	DIN66L	66	275	175	-	190	B	1	18
12FB75ME	DIN75	75	275	175	-	190	B	0	18
12FB75LME	DIN75L	75	275	175	-	190	B	1	18
12FB85ME	DIN85	85	275	175	-	190	B	0	18
12FB85LME	DIN85L	85	275	175	-	190	B	1	18
12MB88ME	DIN88	88	352	175	-	190	B	0	19
12MB88LME	DIN88L	88	352	175	-	190	B	1	19
12MB95ME	DIN92	92	352	175	-	190	B	0	19
12MB95LME	DIN92L	92	352	175	-	190	B	1	19
12MB105ME	DIN100	100	352	175	-	190	B	0	19
12MB105LME	DIN100L	100	352	175	-	190	B	1	19

PICTURE
NUMBER

1

105H44PE (NS40Z)
105H44LPE (NS40ZL)
105H44PES (NS40ZS)
105H44LPES (NS40ZLS)



105H44LPE (NS40ZL)

PICTURE
NUMBER

2

106H50PES (N40)
106H50LPES (N40L)



106H50LPES (N40L)

PICTURE
NUMBER

3

106H60PE (NS60)
106H60LPE (NS60L)
106H60PES (NS60S)
106H60LPES (NS60LS)



106H60LPE (NS60L)

PICTURE
NUMBER

4

12JB60PEHD (55D23R)
12JB60LPEHD (55D23L)



12JB60LPEHD (55D23L)

PICTURE
NUMBER

5

12HB50PE (N50) 12HB80PE (NS70)
12HB50LPE (N50L) 12HB80LPE (NS70L)
12HB60PE (N60)
12HB60LPE (N60L)



12HB60LPE (N60L)

PICTURE
NUMBER

6

108M80PE (N70) 108M100PE (N85)
108M80LPE (N70L) 108M100LPE (N85L)
108M90PE (N70Z) 108M100PE (N90)
108M90LPE (N70ZL) 108M100LPE (N90L)



108M80LPE (N70L)

PICTURE
NUMBER

7

11M100PE (N100)
11M100LPE (N100L)
11M105PE (N110)
11M105LPE (N110L)



11M100LPE (N100L)

PICTURE
NUMBER

8

12E135PER (N120)
12E135LPER (N120L)



12E135LPER (N120L)

PICTURE
NUMBER

9

12EA135PE (N120)
12EA135LPE (N120L)



12EA135LPE (N120L)

PICTURE
NUMBER

10

14E150PER (N150)
14E150LPER (N150L)
14E160PER (N160)
14E160LPER (N160L)



14E150LPER (N150L)

PICTURE
NUMBER

11

14EA150PE (N150)
14EA150LPE (N150L)
14EA170PE (N170)
14EA170LPE (N170L)



14EA150LPE (N150L)

PICTURE
NUMBER

12

17EH210PER (N200)
17EH210LPER (N200L)



17EH210LPER (N200L)

PICTURE
NUMBER

13

17EA210PE (N200)
17EA210LPE (N200L)
17EA230PE (N220)
17EA230LPE (N220L)



17EA230LPE (N220L)

PICTURE
NUMBER

14

109HL105PE (60528)
109HL105LPE (60527)



109HL105PE (60528)

PICTURE
NUMBER

16

12VBL45ME (DIN45)
12VBL45LME (DIN45L)



12VBL45ME (DIN45)

PICTURE
NUMBER

15

12LB44ME (DIN44)
12LB44LME (DIN44L)



12LB44ME (DIN44)

PICTURE
NUMBER

17

12VB55ME (DIN55)
12VB55LME (DIN55L)
12VB65ME (DIN65)
12VB65LME (DIN65L)



12VB55ME (DIN55)

PICTURE
NUMBER

18

12FB66ME (DIN66) 12FB85ME (DIN85)
112FB66LME (DIN66L) 12FB85LME (DIN85L)
12FB75ME (DIN75)
12FB75LME (DIN75L)



12FB75ME (DIN75)

PICTURE
NUMBER

19

12MB88ME (DIN88) 12MB105ME (DIN100)
12MB88LME (DIN88L) 12MB105LME (DIN100L)
12MB95ME (DIN92)
12MB95LME (DIN92L)



12MB105ME (DIN100)

Trane



DEEP CYCLE

SILVER CALCIUM

SEALED MAINTENANCE FREE



The Trane Deep Cycle battery is designed to be always ready to provide a long and deep discharge service before receiving any recharge. In comparison, a normal starter battery is designed to provide a short burst of energy to start a vehicle. The plates in a Trane Deep Cycle battery are thicker and have much higher density than normal starter battery plates, allowing it to bear the stresses of deep cycling while still maintaining the integrity of the active mass, resulting in high capacity and long service life.

Outstanding Features

- Suitable for Uninterrupted Power Supply (UPS) service; Heavy trucks or buses with high onboard electrical load requirements; Motor Boat; Motor home or Caravan; Country home; T.V., Lighting; Solar
- Maintenance-free
- Can be used for engine starting as well as for supplying the general electrical load requirements

Battery Type	Voltage	Capacity AH	Dimensions				Terminal Types
			L	W	H	TH	
12H80 SMF DCM DT	12	80	263	171	200	221	DT
108M90 SMF DCM DT	12	90	303	171	200	221	DT
11M110 SMF DC	12	110	405	173	208	240	RT/LT
12EA150 SMF (T) DC	12	140	509	188	195	216	RT/LT
14EA180 SMF (T) DC	12	170	509	222	195	216	RT/LT
17EA230 SMF (T) DC	12	220	512	274	214	236	RT/LT

Terminal Type



DT

Dual Terminal



LT

L-shaped Terminal



RT

Round Terminal



12HB80 SMF



108M90 SMF DCM DT



11M110 SMF DC



12EA150 SMF (T) DC



14EA180 SMF (T) DC



17EA230 SMF (T) DC

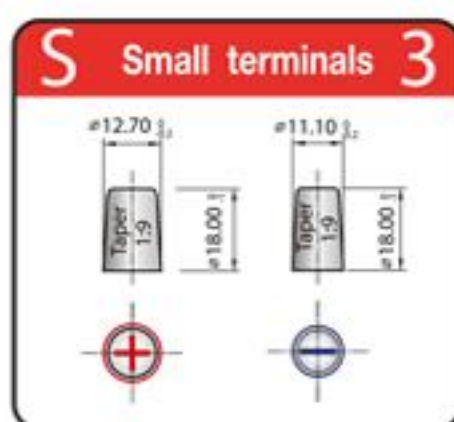
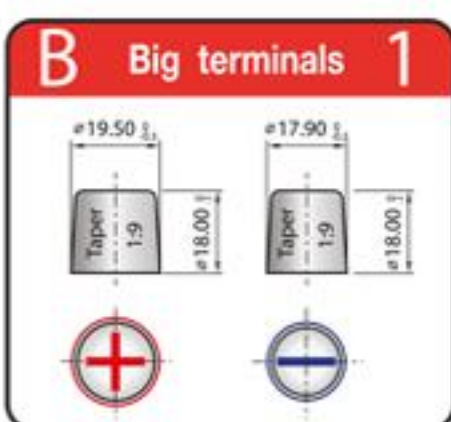


Trane
SILVER CALCIUM SMF
SEALED MAINTENANCE FREE

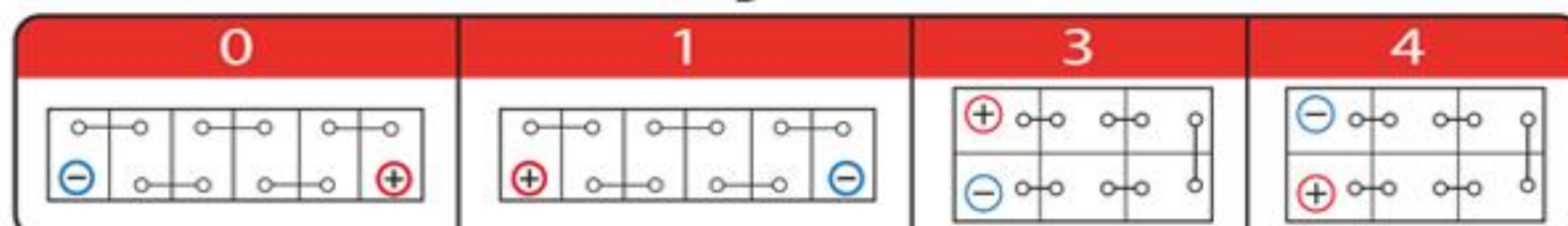
The Real 5-Star Battery ★★★★★



Terminals



Layouts



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