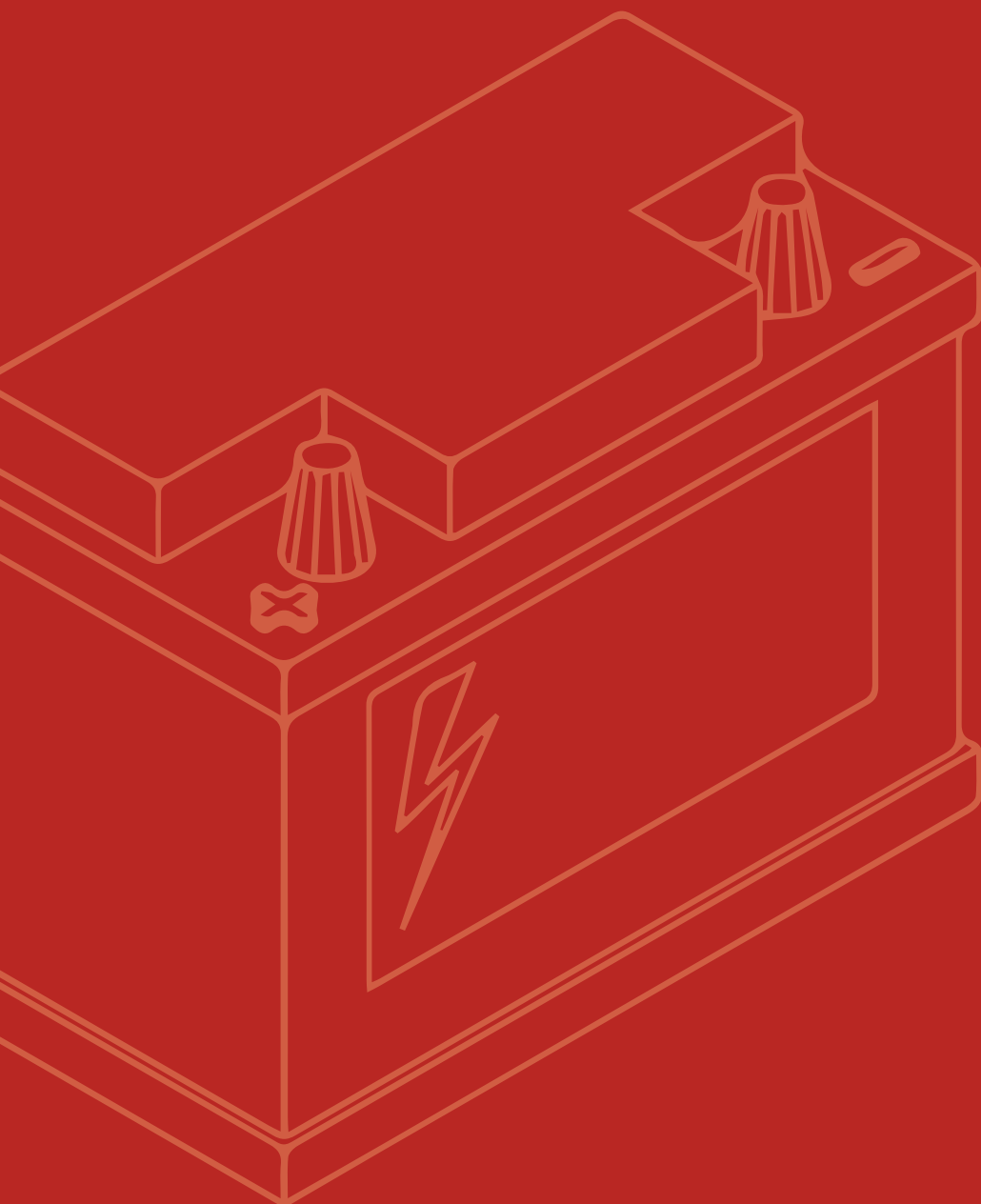




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AUTOMOTIVE BATTERY

广州虎头电池集团股份有限公司
GUANGZHOU TIGER HEAD BATTERY GROUP CO.,LTD.

广州市虎头实业有限公司
Guangzhou Tiger Head Industrial Co.,ltd

COMPANY PROFILE

Guangzhou Tiger Head Industrial Co.,Ltd is the backbone enterprise of Tiger Head Group, with a long history traced back to 1928.

As a large government-owned company, Tiger Head Industrial focuses on diversified development and makes huge investment in R&D, purchasing, producing and marketing. Now we deal with various products including lead acid automotive batteries, motorcycle battery, Vrla battery, Solar battery, Solar panel products, Solar system lighting products, polymer li-lion batteries, jumpstarters, etc.

We pay much attention to quality. All products are under strict quality control in every process from raw material purchasing to final product testing. With high quality and good service, we win our customers' faith and our products sell well in the world, especially in Africa, Middle East, Asia, South America, Europe, etc. Tiger Head Industrial and its parent company Tiger Head Battery Group share some famous brands, such as "TigerHead", "555", "TIHAD", "Lighting", "fun-mily", "Wivin", etc.

Tiger Head Industrial devotes to strengthening our brands and continuing to develop excellent products. We optimize allocation of resources globally and build core competitiveness, striving to realize a win-win business with our partners. Look forward to the future, with your trust and support, Tiger Head Industrial continues to develop excellent products and offering the best service. Let's work together, embrace a flourishing future!

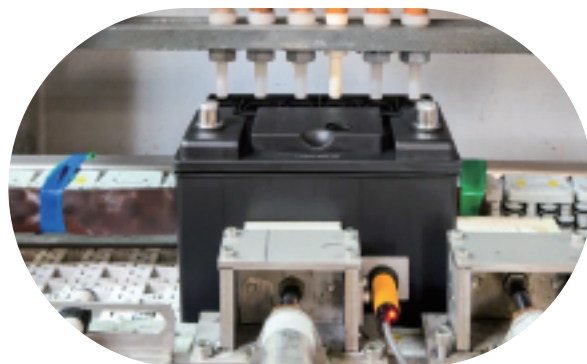
PRODUCTION CAPACITY



Automatic Equipment



Assembling Workshop



Charging Workshop



Expander Machinery

Tiger Head Battery has four production bases, and importing equipment from Italy, Canada and Germany to make sure all the products are well controlled and it has a stable high production capacity.

To strive for high-grade product quality, our company makes strict inspection and selection on materials which are ensuring high-quality and high-standard materials used in assembling production for all products.

BRAND SERIES



TigerHead®

TIGER HEAD BATTERY



555®

555 BATTERY



TIHAD

TIHAD BATTERY



POWER YOUR LIFE

CERTIFICATION



QUALITY CONTROL



BATTERY STRUCTURE&CHARACTERISTICS

① PLATES:Optimized low stibium-arsenic alloy makes long life and storage,less water missing,and less maintenance, Plates group is a stick structure of radioactivity,which can make battery currents distributed reasonable, reduced the electric resistance,promote output of capacity Maintenance-free battery also adopted to less water missing, a nd specially PB-Ca formulation,lowself-discharge, long store,donot need add acid and maintenance in the battery lift, Successfully to solved plate gate interface height resistance PbSO₂ formatlon. let the battery always in the height starting function.

② SEPARATOR:The super-thin glass fiber in separator(or PE envelop) reduces the short circuit of plates group,reduce the electric resistance and increase the current capacity. The surface fiber can protect effectively the positive plate to shake and the powder off,so as to extend the usage life.

③ PP CONTAINER:Adopt polypropylene material , with light weight and exceptional strength; With exclusive case design to protect batteries from vibration and Impact.

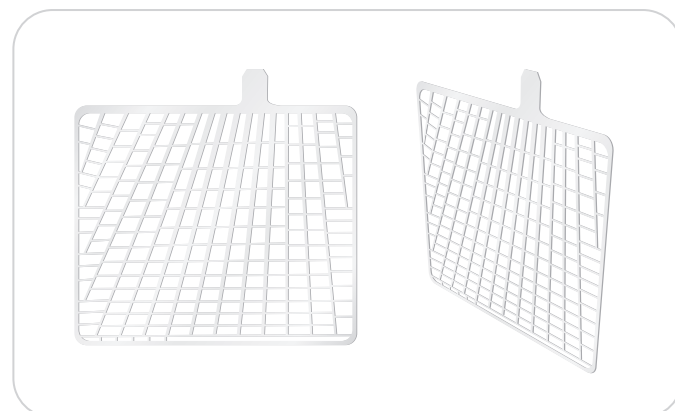
④ COS PLATE WELDING:High cranking Performance and resistance to vibration.

⑤ MAGIC-EYE INDICATOR:Easy to check charging status.

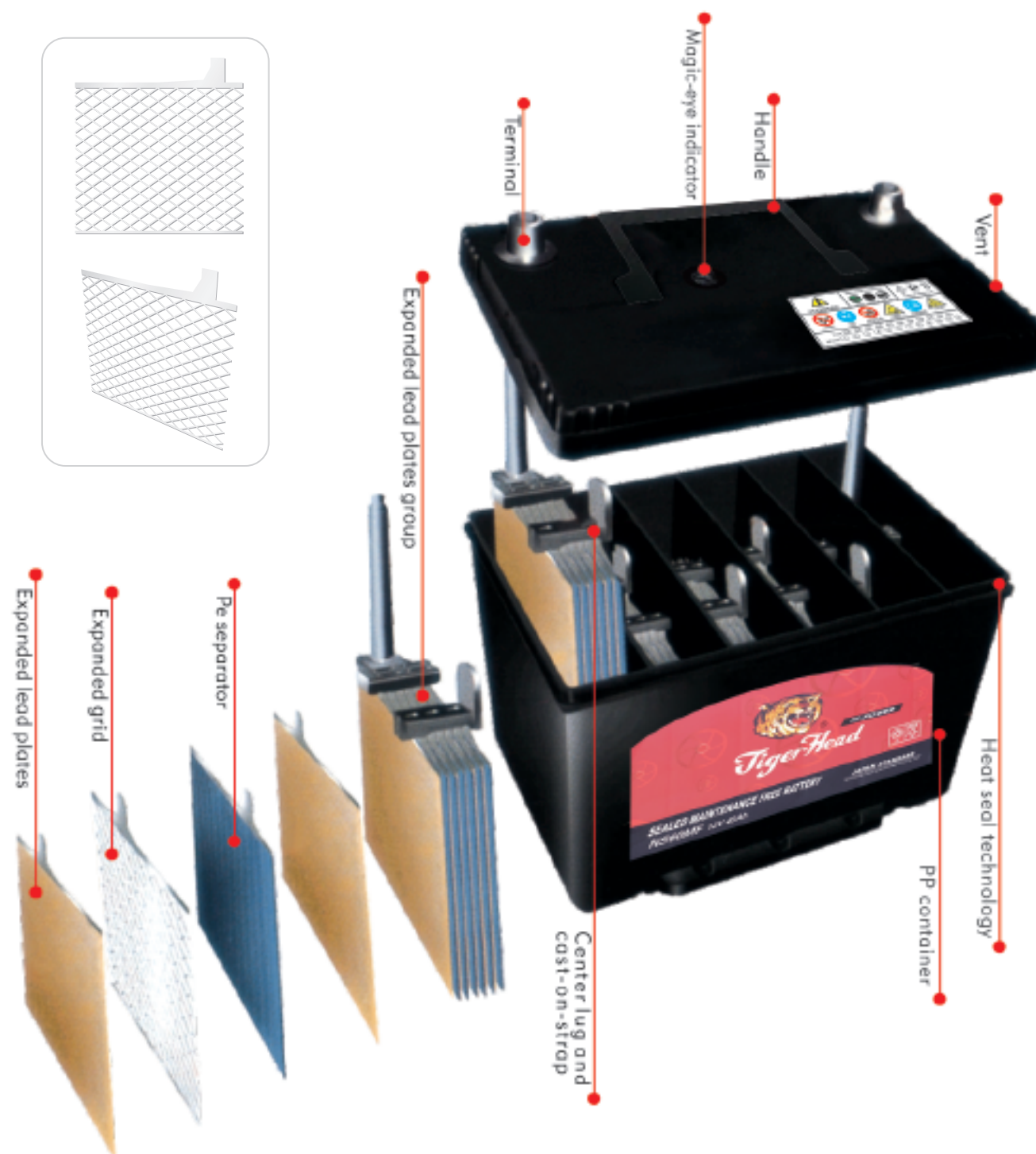
⑥ DUST-PROOFFLAMEARRESTER:Prevent explosion caused by overflow sulphuric acid and charging spark.

⑦ COVER:With special structure,the battery has the excellent performance of nonleakage, ventilation and anti-explosion,etc.

⑧ HEAT SEALT ECHNOLOGY:Heat sealed design to maximize strength and rigidity to prevent elec-trolyte leakage.



PRODUCT PRESENTATION



SEALED MAINTENANCE-FREE STARTING LEADACID BATTERIES

Completely sealed Maintenance-free Lead-acid
Environment Secured, Long-lifespan, Tiger Head
reliable partner!



THE CHARACRISTIC, USAGE AND MAINTENANCE:

1. For a new battery, it's no need to charge, to add liquid, you can use it after fitting on the car. During the usage, liquid is never in need.
2. When using, keep the battery clean, make sure the connection contacts well. Coated some Vaseline on connection between the pole and line and fasten the batteries well.
3. Strong polypropylene container, advance lead calcium alloy and special diachylum method, anti-acid mist filter plate, anti-shake, prevent coldness, low discharge less water losing, well cold starting capability.
4. If need to offload the battery to charge, you can charge it with constant current of less than 0.1C 20A, and keep the voltage in 14.2-14.6v.
5. Keep batteries in a dry place, avoiding the sunshine. Batteries with half year storage, before use, you should charge them. Charging method : 0.1C 20A. Eg: 60AH battery: charging with 6A for 6 hours.

JIS Standard Battery(SMF)

No.	JIS Gr.No.	New JIS NO.	Old JIS NO.	Capacity (20HR)	Dimension(mm) L*W*H*TH	CCA (SAE)	R C (MINS.)	Lay-out	Terminal	Qty/ Pallet	Hold-Down
1	B20	MF36B20R	NS40ZMF	36	205*130*200*220	330	52	1	A,B	224	
2		MF36B20L	NS40ZLMF	36	205*130*200*220	330	52	0	A,B	224	
3		MF50B24R	N40MF	40	240*130*200*220	340	65	1	B	175	
4	B24	MF50B24R	N40LMF	40	240*130*200*220	340	65	0	B	175	
5		MF50B24RS	N40MF	40	240*130*200*220	340	65	1	A	175	
6		MF50B24LS	N40LMF	40	240*130*200*220	340	65	0	A	175	
7		MF55B24R	NS60MF	45	240*130*200*220	390	80	1	B	175	
8		MF55B24L	NS60LMF	45	240*130*200*220	390	80	0	B	175	
9		MF55B24RS	NS60MF	45	240*130*200*220	390	80	1	B	175	
10		MF55B24LS	NS60LME	45	240*130*200*220	390	80	0	B	175	
11	D26	MF48D26R	N50MF	50	268*173*202*224	450	80	1	B	126	
12		MF48D26L	N50LMF	50	268*173*202*224	450	80	0	B	126	
13		MF55D26R	N50ZMF	60	268*173*202*224	550	99	1	B	126	
14		MF55D26L	N50ZLMF	60	268*173*202*224	550	99	0	B	126	
15		MF75D26R	NS70MF	65	268*173*202*224	580	112	1	B	126	
16		MF75D26L	NS70LMF	65	268*173*202*224	580	112	0	B	126	
17		MF80D26R	NX110-5MF	70	268*173*202*224	600	120	1	B	126	
18	D23	MF80D26L	NX110-5MF	70	268*173*202*224	600	120	0	B	126	
19		MF55D23R		60	229*173*201*220	550	99	1	B	126	
20		MF55D23L		60	229*173*201*220	550	99	0	B	126	
21		MF75D23R		65	229*173*201*220	580	99	1	B	126	
22		MF75D23L		65	229*173*201*220	580	99	0	B	126	
23		MF85D23R		68	229*173*201*220	590	99	1	B	126	
24		MF85D23L		68	229*173*201*220	590	99	0	B	126	
25	D31	MF65D31R	N70MF	70	310*175*204*225	600	126	1	B	119	
26		MF65D31L	N70LMF	70	310*175*205*225	600	126	0	B	119	
27		MF75D31R	N70ZMF	75	310*175*204*225	600	126	1	B	119	
28		MF75D31L	N70ZLMF	75	310*175*205*225	600	126	0	B	119	
29		MF95D31R	NX120-7MF	80	310*175*204*225	650	153	1	B	119	
30		MF95D31L	NX120-7MF	80	310*175*205*225	650	153	0	B	119	
31		MF105D31R		90	310*175*204*225	700	160	1	B	119	
32	E41	MF105D31L	N100MF	90	310*175*205*225	700	160	0	B	119	
33		MF95E41R	N100LMF	100	404*171*199*219	800	170	1	B	84	
34		MF95E41L	NS120MF	100	404*171*199*219	800	170	0	B	84	
35		MF115E41R	NS120LMF	110	404*171*199*219	880	180	1	B	84	
36		MF115E41L		110	404*171*199*219	880	180	0	B	84	
37	BC1	MMFBCI31-1000		100	332*171*218*252	820	170	1	D	84	
38		MF6TN		100	277*265*204*256	820	150	3.5	B	72	
39	F51	MF135F51	N120MF	120	505*180*208*231	870	204	3	B	63	
40	G51	MF160G51	N150MF	150	506*221*210*233	1000	255	3	B	56	
41	H52	MF210H52	N150MF	200	515*265*215*238	1400	340	3	B	42	
42		74-60		53	260*178*202	450	424	0	E	144	
43		78-72		63	270*178*182	535	504	0	E	144	
44		78-60		60	270*178*182	510	480	0	E	144	
45		75-72		55	240*175*190	460	440	0	B	144	
46		68-60s		45	240*175*190	380	360	0	B	144	
47		65-72S		65	300*190*170*190	550	520	0	B	105	



EN Standard Battery(SMF)

No.	DIN Gr.No.	Now ETN NO.	Capacity (20HR)	Dimension(mm) L*W*H*TH	CCA (EN)	R C (MINS.)	Lay-out	Terminal	Qty/ Pallet	Hold-Down
1	LB1	MF53646	36	210*175*175	330	50	0	B	168	B3
2		MF53647	36	210*175*175	330	50	1	B	168	B3
3		MF54321	43	210*175*175	360	55	0	B	168	B3
4		MF54322	43	210*175*175	360	55	1	B	168	B3
5	L1	MF54459	44	210*175*190	360	66	0	B	168	B3
6		MF54464	44	210*175*190	360	66	1	B	168	B3
7	LB2	MF54519	45	240*175*175	390	66	0	B	168	B1/B3
8		MF54520	45	240*175*175	390	66	1	B	168	B1/B3
9		MF55046	50	240*175*175	420	75	1	B	168	B1/B3
10		MF55457	54	240*175*175	450	90	0	B	168	B1/B3
11		MF56077	54	240*175*175	450	90	1	B	168	B1/B3
12		MF56077	60	240*175*175	480	98	0	B	168	B1/B3
13	L2	MF55559	55	240*175*190	480	93	0	B	168	B1/B3
14		MF55548	55	240*175*190	480	93	1	B	168	B1/B3
15		MF55565	55	240*175*190	480	93	1	B	168	B1/B3
16		MF55531	55	240*175*190	480	93	0	B	168	B1/B3
17		MF56219	62	240*175*190	520	105	0	B	168	B1/B3
18		MF56220	62	240*175*190	520	105	1	B	168	B1/B3
19		MF56221	62	240*175*190	520	105	0	B	168	B1/B3
20		MF55415	54	274*175*190	480	93	0	B	144	B3
21	LB3	MF56318	63	274*175*190	540	115	0	B	144	B3
22		MF56420	64	274*175*190	540	115	0	B	144	B3
23		MF56818	68	274*175*190	570	123	0	B	144	B3
24		MF56821	68	274*175*190	570	123	0	B	144	B3
25		MF56828	68	274*175*190	570	123	1	B	144	B3
26		MF57113	71	274*175*190	600	123	0	B	144	B3
27	L3	MF57114	71	274*175*190	600	123	1	B	144	B3
28		MF56638	66	274*175*190	540	112	0	B	144	B3
29		MF56633	66	274*175*190	540	112	1	B	144	B3
30		MF57219	72	274*175*190	600	123	1	B	144	B3
31		MF57220	72	274*175*190	600	123	0	B	144	B3
32		MF57412	74	274*175*190	640	135	0	B	144	B3
33		MF57413	74	274*175*190	640	135	1	B	144	B3
34	LB4	MF57539	75	311*175*175	660	135	0	B	120	B1/B3
35	L4	MF58043	80	311*175*190	660	135	0	B	120	B1/B3
36	LB5	MF58515	85	354*175*175	680	135	0	B	96	B1/B3
37	L5	MF58827	88	350*175*190	680	150	0	B	96	B1/B3
38		MF58821	88	350*175*190	680	150	1	B	96	B1/B3
39		MF59218	92	350*175*190	720	155	0	B	96	B3
40		MF59219	92	350*175*190	720	155	1	B	96	B3
41		MF60038	100	350*175*190	850	170	0	B	96	B3
42		MF60044	100	350*175*190	850	170	1	B	96	B3
43	JIS B20	MF53504	35	195*128*200*220	300	52	0	B	224	
44		MF53520	35	195*128*200*220	300	52	0	B	224	
45		MF53522	35	195*128*200*220	300	52	1	B	224	
46		MF53521	35	195*128*200*220	300	52	0	B	224	
47		MF54026	40	195*128*200*220	340	65	0	B	224	
48		MF54027	40	195*128*200*220	340	65	1	B	224	

No.	DIN Gr.No.	Now ETN NO.	Capacity (20HR)	Dimension(mm) L*W*H*TH	CCA (EN)	R C (MINS.)	Lay-out	Terminal	Qty/ Pallet	Hold-Down
49	JISB24 (NS60)	MF5452	45	237*128*20*220	360	80	0	B	175	
50			45	237*128*20*220	360	80	1	B	175	
51			45	237*128*20*220	360	80	0	B	175	
52	JISD23 (55D23)	MF54521	45	237*128*20*220	360	80		B	175	
53		MF56068	60	230*173*202*224	480	95	0	B	126	
54		MF5606	60	230*173*202*224	480	95	1	B	126	
55	BCI24F		60	260*170*200*220	480	95	0	B	126	
56		MF56049	60	260*170*200*220	480	95	1	B	126	
57		MF5702	72	260*170*200*220	540	105	0	B	126	
58			72	260*170*200*220	540	105	1	B	126	
59	JISD31	MF5702	75	310*170*200*220	600	95	0	B	119	
60			75	310*170*200*220	600	115		B	119	
61		MF5751	85	310*170*200*220	680	115	0	B	119	
62			85	310*170*200*220	680	115	1	B	119	
63	Q5	MF5751	95	310*170*200*220	720	120	1	B	119	
64			95	310*170*200*220	720	120	0	B	119	
65		MF5851	57	240*175*153*175	480	95	0	B	135	
66		MF56011	60	240*175*153*175	500	105	0	B	135	
67	JISE41	MF6002	100	405*170*200*220	760	170	0	B	84	
68		MF6006	100	405*170*200*220	760	170		B	84	
69		MF6003	110	405*170*200*220	760	170	0	B	84	

Truck Battery Specification

No.	DIN Gr.No.	Now ETN NO.	Capacity (20HR)	Dimension(mm) L*W*H*TH	CCA (EN)	R C (MINS.)	Lay-out	Terminal	Qty/ Pallet	Hold-Down
1	D4	62034MF	120	505*184*194*215	850	204	3	B	63	
2		62038MF	120	505*184*194*215	850	204	4	B	63	
3		63530MF	135	505*184*194*215	880	215	3	B	63	
4		63532MF	135	505*184*194*215	880	215	4	B	63	
5		64020ME	140	505*184*194*215	900	228	3	B	63	
6		64028MF	140	505*184*194*215	900	228	4	B	63	
7	D5	64317MF	143	505*220*192*214	950	255	3	B	63	
8		64318MF	143	505*220*192*214	950	255	4	B	63	
9		65011MF	150	505*220*192*214	980	260	3	B	63	
10		65012MF	150	505*220*192*214	980	260	4	B	63	
11		65513MF	155	505*220*192*214	980	255	3	B	63	
12		65514MF	155	505*220*192*214	980	255	3	B	63	
13		67043MF	170	505*220*192*214	1050	270	3	B	63	
14		67044MF	170	505*220*192*214	1050	270	4	B	63	
15		68022MF	180	505*220*192*214	1050	270	3	B	63	
16		68029MF	180	505*220*192*214	1050	270	4	B	63	
17	D6	68039MF	180	515*265*215*235	1100	305	3	B	35	
18		68040MF	180	515*265*215*235	1100	305	3	B	35	
19		70027MF	200	515*265*215*235	1200	320	3	B	35	
20		70029MF	200	515*265*215*235	1200	320	4	B	35	
21		71014MF	210	515*265*215*235	1470	340	3	B	35	
22		71015MF	210	515*265*215*235	1470	340	3	B	35	
23		72511MF	225	515*265*215*235	1575	355	3	B	35	
24		73010MF	230	515*265*215*235	1610	355	3	B	35	
25		73011MF	230	515*265*215*235	1610	355	3	B	35	



AS Standard Battery(SMF)

No.	TYPE NO.	Capacity 20HR(AH)	CCA (SAE)	R C (MINS.)	Dimension(mm) L*W*H*TH	WEIGHT (Kgs)	Lay- out	Terminal	Qty/ Pallet	Hold- Down
1	NS40ZMF	36	330	52	196*128*200*220	10.3	1	A	224	
2	NS40ZLMF	36	330	52	198*128*200*220	10.3	0	A	224	
3	NS40ZSMF	38	330	52	198*128*200*220	10.3	1	B	224	
4	NS40ZLSM	36	330	52	196*128*200*220	10.3	0	B	224	
5	N41MF	41	330	65	236*133*182*204	12	1	B	175	
6	N43MF	43	330	65	236*133*182*204	12	1	B	175	
7	NS60MF	45	390	80	238*128*200*220	12.6	1	A	175	
8	NS60(S)MF	45	390	80	236*182*200*220	12.6	0	A	175	
9	NS60(S)MF	45	390	80	236*128*200*220	12.6	1	B	175	
10	NS60L(S)MF	45	390	80	236*128*200*220	12.6	0	B	175	
11	NS50PMF	55	600	89	228*172*183*203	15.5	1	B	147	B1
12	NS50PLMF	55	600	89	228*172*183*203	15.5	0	B	147	B1
13	N50EFMF	55	600	89	228*172*183*203	15.5	1	B	147	B1
14	N51EBMF	55	600	89	228*172*183*203	15.5	0	B	147	B1
15	55D23RMF	60	570	94	228*172*200*220	16.5	1	B	126	B1
16	55D23LMF	60	570	94	228*172*200*220	16.5	0	B	126	B1
17	N50ZMF	60	550	99	258*172*198*218	17.5	1	B	126	B1
18	N50ZLMF	60	550	99	258*172*188*218	17.5	0	B	126	B1
19	N870MF	65	580	112	258*172*188*218	18.2	1	B	126	B1
20	NS70LMF	65	580	112	258*172*198*218	18.2	0	B	126	B1
21	N70ZMF	75	600	126	302*172*200*220	21.2	1	B	119	B1
22	N70ZLMF	75	600	126	302*172*200*220	21.2	0	B	118	
23	N100MF	100	800	170	406*173*210*230	26	1	B	84	
24	N100LMF	100	800	170	406*173*210*230	2	0	B	84	
25	NS120MF	110	880	180	408*178*210*230	27.5	1	B	84	
26	NS120LMF	110	860	180	406*173*210*230	27.5	0	B	84	
27	DINL44MF	44	360	65	208*175*175*175	10.3	0	B	168	
28	DIN55MF	55	480	93	240*175*175*175	14.5	0	B	168	B3
29	DIN66MF	66	540	112	278*175*175*175	16.8	0	B	144	B3
30	DIN77MF	77	660	135	311*175*175*175	19.5	0	B	120	B3
31	DIN88MF	88	680	150	352*175*175*175	22.1	0	B	96	B3
32	31-800	96	800	170	330*175*218*242	26.5	1	B	84	
33	31-800	96	800	170	330*172*218*242	26.5	1	D	84	
34	78-675	63	675	112	260*178*182	16.8	1	D	144	B1
Heavy duty Battery										
35	N120MF	120	870	204	505*180*208*231	32.7	3	B	63	
36	N150MF	150	1000	255	506*221*210*233	39.68	3	B	56	
37	N200MF	200	1400	340	515*265*215*238	49.62	3	B	42	
38	62034MF	120	850	204	506*184*184*216	32.7	3	B	83	
39	65012MF	150	980	260	505*220*182*214	40.5	3	B	56	
40	70027MF	170	1200	320	515*265*215*235	48.7	3	B	42	

SA Standard Battery(SMF)

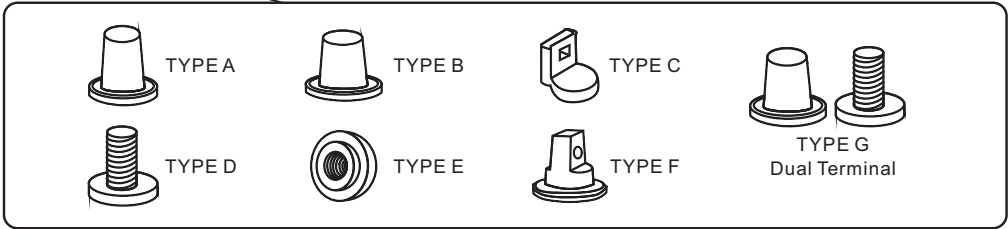
S.N	Model No	Capacity 20HR(AH)	R C (MINS.)	CCA (ICE)	CCA (DIN)	CCA (SAE)	Dimension(mm) L*W*H*TH	WEIGHT (Kgs)	Lay- out	Terminal	Qty/ Pallet	Hold- Down
1	610	45	69	220	190	325	261*177*203	15.7	0	B1	126	B1
2	611	45	89	220	190	325	261*177*203	15.7	1	B1	126	B1
3	612CV	45	69	220	190	325	240*174*190	12.6	0	B3	168	B3
4	617	36	50	190	165	285	208*174*175	10.1	0	B	168	B3
5	618	36	50	190	165	285	208*174*175	10.1	1	B	168	B3
6	619	36	50	190	165	285	208*174*175	10.1	1	B	168	B3
7	621	50	77	255	220	370	261*177*203	16	1	B	126	B1
8	622	50	77	255	220	370	261*177*203	16	0	B	126	B1
9	628	45	62	240	205	345	240*174*177	14	1	B	168	B3
10	629	45	82	240	205	345	240*174*177	14	1	B	168	B3
11	630	36	50	200	170	295	238*134*202	11.2	0	B	175	B1
12	631	36	50	200	170	295	238*134*202	11.2	1	B	175	B1
13	634	45	62	250	215	365	238*134*202	14	0	B	175	B1
14	635	45	82	240	205	345	240*174*177	14	0	B	168	B3
15	838CV	45	82	250	215	380	241*134*203	12.8	1	B	188	B1
16	637CV	80	80	280	240	400	235*173*203	18.5	0	B	147	B1
17	638	60	90	280	240	400	261*177*203	17.52	0	B	126	B1
18	638	60	90	280	240	400	261*177*203	17.52	1	B	126	B1
19	643	60	90	280	240	400	240*175*190	15.2	0	B	168	B3
20	B45	80	90	280	240	400	240*175*190	15.2	1	B	108	B3
21	B46	60	90	280	240	400	240*175*190	15.2	1	B	108	B3
22	847CV	54	77	280	240	400	284*175*175	15.5	1	B	144	B3
23	B48	85	87	320	280	450	230*170*227	18.5	1	B	147	B1
24	650	85	87	320	260	450	305*173*220	17.5	0	B	118	B1
25	651CV	80	81	325	280	460	275*175*175	15.5	1	B	144	B3
26	652GV	65	104	325	280	460	278*175*190	16.8	1	B	144	B3
27	B53	65	104	325	280	460	278*175*190	18.6	1	B	144	B3
28	654CV	80	127	425	365	585	350*175*175	21.3	1	B	84	B3
29	657CV	85	104	325	280	480	278*175*190	16.8	0	B	188	B3
30	658CV	90	148	440	375	800	355*175*190	22.1	1	B	84	B3
31	859CV	80	127	425	365	585	315*175*175	21.5	0	B	84	B3
32	665	60	90	280	240	400	242*175*190	15.2	1	B	168	B3
33	667	65	104	325	280	460	278*175*190	16.8	1	B	144	B3
34	668	90	149	440	375	600	315*175*190	22	1	B	112	B3
35	680/3	120	216	545	465	735	510*180*219	32.7	4	B	48	
36	681/2	120	216	545	465	735	510*180*219	32.7	3	B	48	
37	B85	120	225	805	515	810	504*180*214	32.7	4	B	48	
38	687	200	340	890	750	1180	515*264*235	48.62	4	B	36	
39	688	200	340	890	750	1150	515*264*235	49.62	3	B	36	
40	689	140	265	690	590	825	512*224*219	35.2	4	B	48	
41	690	140	265	690	590	925	512*224*219	35.2	3	B	48	
42	692	165	331	755	645	1005	512*224*219	40.2	4	B	48	

BCI Standard Battery(SMF)

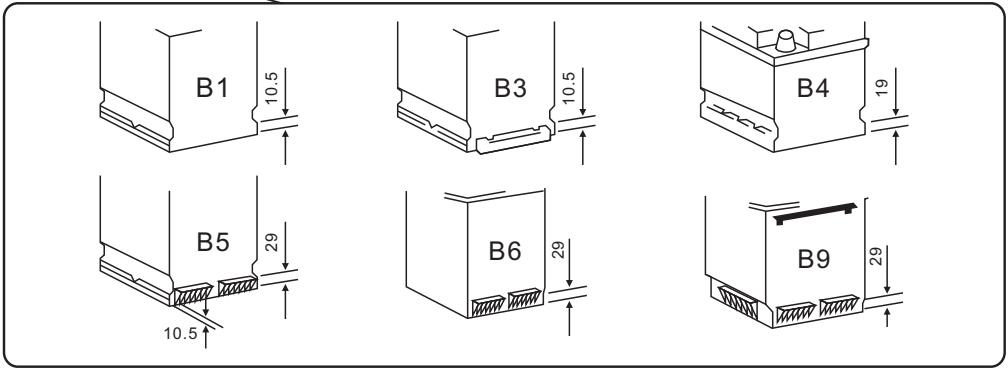
NO.	Gr NO.	TYPE NO.	Capacity 20HR(AH)	CCA (SAE)	R C (MINS.)	Dimension(mm) L*W*H*TH	WEIGHT (Kgs)	Lay- out	Terminal	Qty/ Pallet	Hold- Down
1	24	24-390	50	390	76	257*172*200*220	16	1	B	126	B1
2		24-480	80	480	94	257*172*200*220	17.5	1	B	126	B1
3		24-540	72	540	117	257*172*200*220	18.3	1	B	126	B1
4	24F	24F-380	50	390	76	266*172*200*220	16	0	B	126	B1
5		24F-400	80	460	84	266*172*200*220	17.5	0	B	126	B1
6		24F-540	72	540	117	288*172*200*220	18.3	0	B	126	B1
7	27	27-540	72	540	117	310*175*204*225	20.5	1	B	119	B1
8		27-580	85	580	143	310*175*204*225	21.3	1	B	119	B1
9		27-820	95	620	186	310*176*204*226	22	1	B	119	B1
10	27F	27F-640	72	540	117	310*176*204*226	20.5	0	B	119	B1
11		27F-580	85	580	143	310*176*204*226	21.8	0	B	119	B1
12		27F-620	96	620	166	310*176*204*226	22	0	B	119	B1
13	G31P	G31P-100	120	1000	230	404*171*199*219	23.5	1	B	84	
14	31	81-680	76	630	130	330*172*218*242	25	1	B	84	
15		31-700	84	700	140	330*172*218*242	26.8	1	B	84	
16		31-750	80	750	160	330*172*218*242	26.5	1	B	84	
17		31-800	86	800	170	330*172*218*242	26.5	1	B	84	
18		31-850	100	850	180	330*172*218*242	26.5	1	B	84	
19	31B	31-1D00	85	1000	190	330*172*218*242	26.5	1	B	84	
20		31B-630	75	630	130	330*172*218*242	23.5	1	D	84	
21		31B-700	84	700	140	330*172*218*242	25	1	D	84	
22		31B-750	80	750	160	330*172*218*242	25.8	1	D	84	
23		31B-800	86	800	170	330*172*218*242	26.5	1	D	84	
24	34	31B-850	100	850	180	330*172*218*242	26.5	1	D	84	
25		31B-1000	95	1000	190	330*172*218*242	28.5	1	D	84	
26		34-825	83	625	108	280*172*182*203	15.5	1	B	147	B1
27	34R	34R-825	83	625	106	26B*172*182*203	15.5	1	B	147	B1
28	25	25-520	72	520	117	230*172*180*200	17.3	1	B	126	B1
29	35	35-520	72	520	117	230*172*180*200	17.3	0	B	126	B1
30	22F	22F-550	55	550	89	230*172*180*200	18.5	0	F	126	B1
31	47	47-480	55	480	93	245*175*190	14.5	0	B	168	B1
32		47-520	80	520	105	245*175*190	15.2	0	B	168	B1
33	48	48-480	64	480	112	276*176*190	16.5	0	B	144	B1
34		48-570	83	570	123	275*176*190	10.8	0	B	144	B1
35		48-800	71	600	135	276*176*180	18	0	B	144	B1
36	49	49-680	88	680	150	350*176*190	21.5	0	B	96	B1
37		40-850	100	850	170	360*176*190	22.7	0	B	96	B1
38	61	51-405	46	405	67	240*130*200*220	12.6	1	B	175	B1
39	51F	61R-405	46	405	67	240*130*200*220	12.6	0	B	175	B1
40	58	58-500	66	600	46	240*176*163*173	13.85	1	B	147	B1
41	65	65-850	76	660	136	301*180*170*180	10	1	B	105	B1
42	65R	65R-850	76	680	138	301*180*170*180	18.8	0	B	105	B1
43	75	75-460	45	480	80	230*180*180	14	1	E	168	B1
44		75-550	65	550	90	230*180*180	14	1	E	168	B1
45	78	78-550	55	550	98	260*178*182	15.4	1	E	144	B1
46		78-875	83	875	112	260*178*182	18.6	1	E	144	B1
47	85	85-550	65	550	90	230*172*180*200	14.8	0	B	147	B1
48	85R(86)	85R-550	65	550	90	230*172*180*200	14.8	1	B	147	B1
49	90	90-530	55	530	85	242*174*175*175	14.5	0	B	168	B1/B3
50	91	91-550	58	550	90	277*175*175*175	18.8	0	B	144	B1/B3
51	92/04R	92-850	80	850	135	315*175*190	21.2	0	B	120	B1/B3
52	93	93-780	81	750	140	354*174*175*175	22	0	B	96	B1/B3
53	4D	4D-100	150	1000	255	508*221*210*233	39.8	4	B	42	
54	8D	8D-1200	200	1200	400	515*285*215*238	51.3	4	B	35	
55		8D-1400	200	1400	480	515*285*215*238	52.8	4	B	35	

TERMINAL AND HOLD DOWN
FOR THE AUTOMOTIVE BATTERY

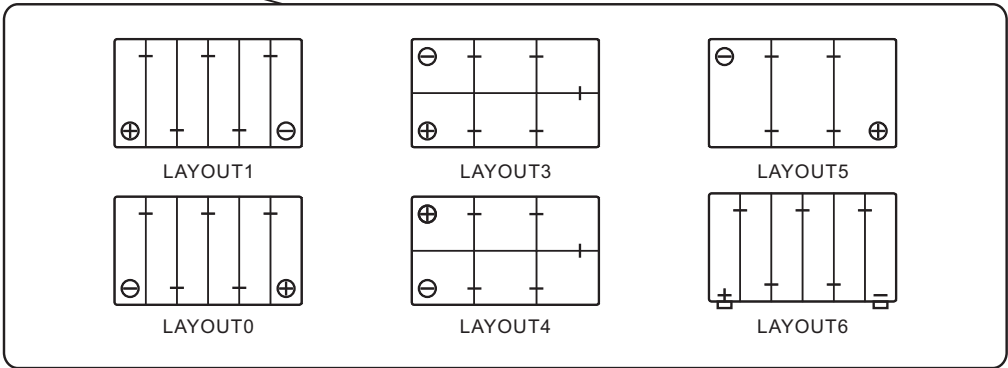
TERMINAL TYPE



HOLD DOWNS



CELL LAYOUT





DRY CHARGE AUTOMOTIVE BATTERIES

Dry-charge lead-acid battery
Excellent cold temperature resistance,
Super Cold Cranking capacity



THE CHARACTERISTIC, USAGE AND MAINTENANCE:

- 1.Batteries should be stored in a clean, dry, draught room with 5-40°C Degrees.
- 2.Surface of batteries and pole pillar should be kept clean.
- 3.The electrolyte density poured into at the first time and the first charging should be done under the instrution.During the usage, the surface will reduce,please add some water up to the former level.(If the electrolyte flows out,please add some with same density.)
- 4.When not use the batteries, take it off from the car,and recharge it so as to prolong its use life.
- 5.Charge the batteries under the following conditions:
 - 1)The density is less than 1.10.
 - 2)The light is faint.
 - 3)When discharging,voltage of terminal is less than 10.8V.

AUTOMOTIVE BATTERY

JIS Standard Battery(DC)

No.	JIS Gr.NO.	New JIS NO.	Old JIS NO.	Capacity (20HR)	Dimension(mm)				GW (kg)	Lay-out	Terminal	Qty/Pallet
					Length	Width	Height	T.Height				
1	B19	32B19R	NS40	32	195	127	205	225	6.5	1	A	224
2		32B19L	NS40L	32	195	127	205	225	6.5	0	A	224
3		36B20R	NS40Z	36	195	127	205	225	7.3	1	A	224
4	B20	36B20L	NS40ZL	36	195	127	205	225	7.3	0	A	224
5		36B20RS	NS40ZS	36	195	127	205	225	7.3	1	B	224
6		36B20LS	NS40ZLS	36	195	127	205	225	7.3	0	B	224
7	B24	50B24R	N40	40	237	133	200	224	8.2	1	B	175
8		50B24L	N40L	40	237	133	200	224	8.2	0	B	175
9		55B24R	NS60	45	237	133	200	224	8.8	1	A	175
10		55B24L	NS60L	45	237	133	200	224	8.8	0	A	175
11		55B24RS	NS60S	45	237	133	200	224	8.2	1	B	175
12	D26	55B24LS	NS60LS	45	237	133	200	224	8.2	0	B	175
13		48D26R	N50	50	260	169	206	233	10	1	B	126
14		48D26L	N50L	50	260	169	206	233	10	0	B	126
15		55D26R	N50Z	60	260	169	206	233	11.3	1	B	126
16		55D26L	N50ZL	60	260	169	206	233	11.3	0	B	126
17		75D26R	NS70	65	260	169	206	233	11.8	1	B	126
18		75D26L	NS70L	65	260	169	206	233	11.8	0	B	126
19		80D26R	NX110-5	70	260	169	206	233	12.5	1	B	126
20	D31	80D26L	NX110-5L	70	260	169	206	233	12.5	0	B	126
21		65D31R	N70	70	309	171	201	223	13.2	1	B	119
22		65D31L	N70L	70	309	171	201	223	13.2	0	B	119
23		75D31R	N70Z	75	309	171	201	223	13.2	1	B	119
24		75D31L	N70ZL	75	309	171	201	223	13.2	0	B	119
25		95D31R	NX120-7	80	309	171	201	223	13.9	1	B	119
26		95D31L	NX120-7L	80	309	171	201	223	13.9	0	B	119
27		105D31R	N9RL	90	309	171	201	223	14.7	1	B	119
28	E41	105D31L	N90L	90	309	171	201	223	14.7	0	B	119
29		95E41R	N100	100	405	171	205	231	17.4	1	B	84
30		95E41L	N100L	100	405	171	205	231	17.4	0	B	84
31		115E41R	NS120	110	405	171	205	231	18.6	1	B	84
32	F51	115E41L	NS120L	110	405	171	205	231	18.6	0	B	84
33		135F51R	N120	120	506	180	207	228	21	3	B	56
34	G51	135F51L	N120L	120	506	180	207	228	21	4	B	56
35		160G51R	N150	150	517	221	195	221	25	3	B	56
36	H52	160G51L	N150L	150	517	221	195	221	25	4	B	56
37		210H52R	N200	200	506	264	213	235	29.1	3	B	42
38		210H52L	N200L	200	506	264	213	235	29.1	4	B	42



AGM Start Stop Batteries

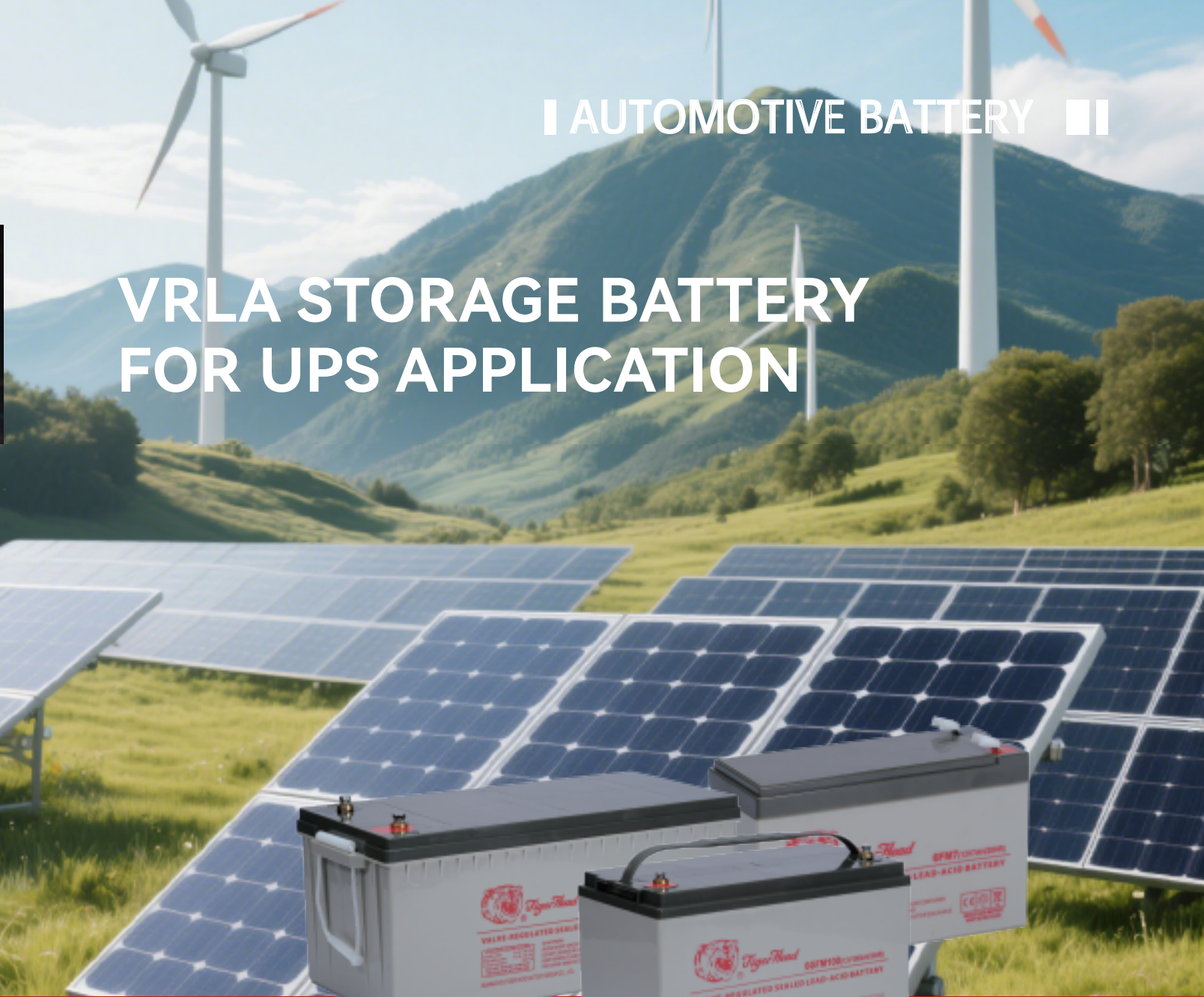
No.	Item	Item	Case Type	Capacity	CCA	Dimension(mm)	Lay-out	Terminal	Hold-Down
				(20Hr)	-18 °C	L*W*H*TH			
1	AGML2	AGM 60 L2	L2DIN	60	660	242*174*192*192	0	B	B3
2	AGML3	AGM 70 L3	L3DIN	70	720	278*176*192*192	0	B	B3
3	AGML4	AGM 80 L4	L4DIN	80	800	316*176*192*192	0	B	B3
4	AGML5	AGM 95 L5	L5DIN	95	850	355*174*190*190	0	B	B3
5	AGML6	AGM 105 L6	L6DIN	105	950	394*174*191*191	0	B	B3

EFB Start Stop Batteries

No.	Item	Case Type	Capacity	CCA	Dimension(mm)	Lay-out	Terminal	Hold-Down
			(20Hr)	-18 °C	L*W*H*TH			
1	EFBM42	B20JIS	35	310	195*127*200*220	0/1	A	—
2	EFBN55	B24JIS	40	370	240*129*199*220	0/1	A/B	—
3	EFBQ85	D23JIS	60	610	230*172*200*221	0/1	B	—
4	EFBS95	D26JIS	70	645	260*172*202*223	0/1	B	—
5	EFBT110	D31JIS	75	655	304*173*200*220	0/1	B	—
6	EFBL2	L2DIN	60	640	242*172*190*190	0	B	—
7	EFBL3	L3DIN	70	700	280*175*190*190	0	B	B3
8	EFBL4	L4DIN	80	750	314*175*190*190	0	B	B3
9	EFBL5	L5DIN	95	800	352*174*192*192	0	B	B3
10	EFBL6	L6DIN	105	850	394*175*194*194	0	B	B3

I AUTOMOTIVE BATTERY II

VRLA STORAGE BATTERY FOR UPS APPLICATION



VRLA APPLICABILITY:

Our VRLA Batteries can be widely use in Alarm Systems, Marine Equipment; Cable Television ; Medical Equipment; Communications Equipment; Micro Processor Based Office Machines; Control Equipment; Portable Cine \$ Video Lights; Computers; Power Tools; Electronic Cash Registers; Solar Powered Systems; Electronic Test Equipment; Telecommunications Systems; Electric powered Bicycle and Wheel chairs; Television & Video Recorders; Emergency Lighting

CHARACTERISTICS:

- 1.sealed construction, no electrolyte leak age from the terminals or case of any battery, efficient operation in any prientation ;
- 2.maintenance free operation, no need to add water ;
- 3.lowself-discharge, the self-discharge rate below 3% permonth;
- 4.special lead calcium alloy, good corrosion resistance and high recovery capacity;
- 5.reliable valve control system, sure safe operation o fbatteries.



BASED ON CHINA TIGER HEAD IS ON HER WAY TO THE GLOBAL MARKET

We have a good team, including our workers, our every customer and consumer. We are together to make efforts and to enjoy the achievement.

In Overseas market, we open selling branches in West Africa and Middle East. And our products are widely exported to Canada, Italy, Germany, Netherlands, Greece, Cyprus, Spain, Russia, etc; In South America, we have customers in Chile, Peru, Cuba, Jamaica, Suriname, etc; In Africa, SouthAfrica, Nigeria, Cameroon, Ghana, Angola, Algeria,Sudanetc, In Middleeast, UAE, SaudiArabia, Yemen, Iraq, Kuwait,



GUANGZHOU TIGER HEAD BATTERY GROUP CO.,LTD.