

BATTERY PRODUCT BROCHURE

BATEURO



www.bateuro.com

BATEURO

PRODUCT CATEGORY



AUTOMOTIVE STARTER BATTERY



- Applicable to extreme and harsh environment from -30°C ~ 75°C .
- Unique 4BS lead paste formula to enhance battery capacity and ensure strong, long-lasting power support.
- Application of new sulfuric acid additive, making fast charging available.
- Special grid structure and material to enhance vibration resistance performance.



AUTOMOTIVE EFB START-STOP BATTERY



- Frequent starts for more than 50,000 times.
- The battery can quickly return to full charging status after the vehicle is started.
- Stable performance under environment from -40°C ~ 80°C .
- Fuel consumption reduced by 5%~15% under comprehensive conditions.



AUTOMOTIVE AGM START-STOP BATTERY



- Durable, 3 times cycling life.
- Start current is 30% higher than ordinary batteries, suits for frequent start and stop.
- Excellent charging acceptance and fast recharging.
- 360 safe placement, no risk of leakage.



AUTOMOTIVE COMMERCIAL VEHICLE BATTERY



- Frequent starts for more than 50,000 times.
- The battery can quickly return to full charging status after the vehicle is started.
- Stable performance under environment from -40°C ~ 80°C .
- Fuel consumption reduced by 5%~15% under comprehensive conditions.



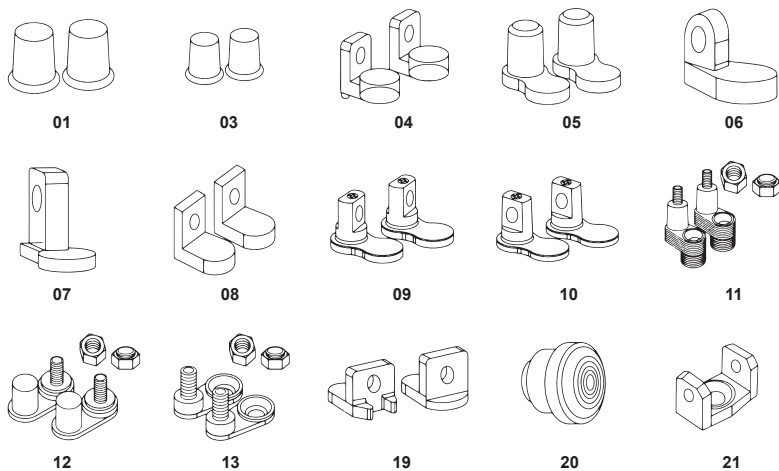
MARINE BATTERY



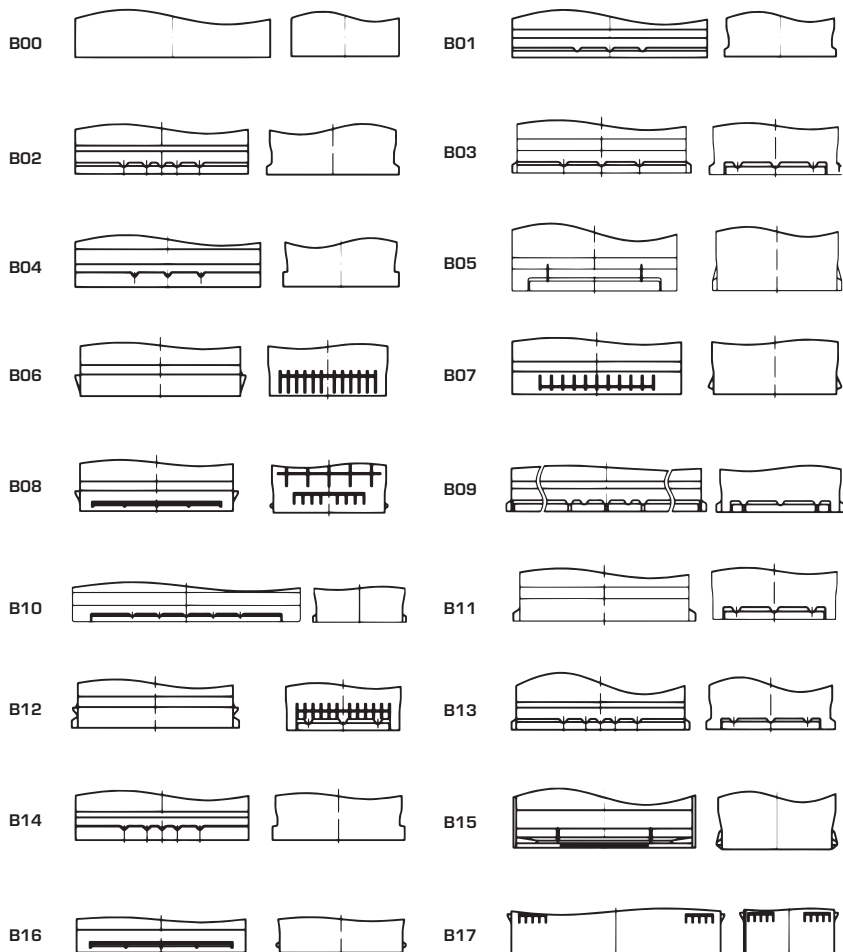
- Durable, 3 times cycling life.
- Start current is 30% higher than ordinary batteries, suits for frequent start and stop.
- Excellent charging acceptance and fast recharging.
- 360 safe placement, no risk of leakage.



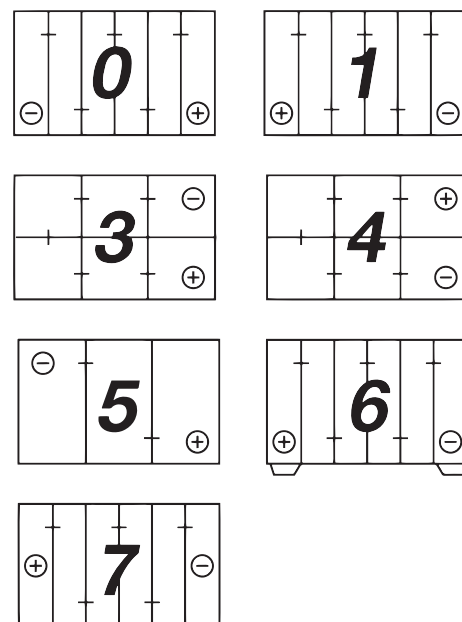
DRAWING TERMINAL



HOLD DOWN



LAYOUT



EN STANDARD

DIN Group	DIN No.	Capacity 20Hr(Ah)	RC (min)	CCA (-18°)	Max Dimension(mm)				Terminal		Hold Down	Weight (Kg)
					L	W	H	TH	Layout	Type		
LB1	53624MF	36	42	350	207	175	175	175	0	1	B13	10.7
	53638MF	36	42	350	207	175	175	175	1	1	B13	10.7
	54316MF	43	45	370	207	175	175	175	0	1	B13	11
	54318MF	43	45	370	207	175	175	175	1	1	B13	11
	55016MF	50	54	390	207	175	175	175	0	1	B13	11.2
	55018MF	50	54	390	207	175	175	175	1	0	B13	11.2
L1	54459MF	44	42	350	207	175	190	190	0	1	B13	10.7
	54464MF	44	42	350	207	175	190	190	1	1	B13	10.7
	55066MF	50	54	390	207	175	190	190	0	1	B13	11.2
	55055MF	50	54	390	207	175	190	190	1	1	B13	11.2
LB2	54519MF	45	47	410	242	175	175	175	0	1	B13	11.6
	54520MF	45	47	410	242	175	175	175	1	1	B13	11.6
	55040MF	50	52	420	242	175	175	175	0	1	B13	11.7
	55044MF	50	52	420	242	175	175	175	1	1	B13	11.7
	55530MF	55	59	470	242	175	175	175	0	1	B13	12.8
	55533MF	55	59	470	242	175	175	175	1	1	B13	12.9
	55840MF	58	62	480	242	175	175	175	0	1	B13	12.9
	55844MF	58	62	480	242	175	175	175	1	1	B13	12.9
L2	55559MF	55	59	470	242	175	190	190	0	1	B13	12.8
	55565MF	55	59	470	242	175	190	190	1	1	B13	12.8
	56219MF	62	71	520	242	175	190	190	0	1	B13	13.5
	56220MF	62	71	520	242	175	190	190	1	1	B13	13.5
	56559MF	65	75	525	242	175	190	190	0	1	B13	13.6
	56560MF	65	75	525	242	175	190	190	1	1	B13	13.6
LB3	55414MF	54	68	560	278	175	175	175	0	1	B13	14.9
	55415MF	54	68	560	278	175	175	175	1	1	B13	14.9
	56318MF	63	68	560	278	175	175	175	0	1	B13	14.9
	56320MF	63	68	560	278	175	175	175	1	1	B13	14.9
	56618MF	66	68	560	278	175	175	175	0	1	B13	15.1
	56828MF	68	68	560	278	175	175	175	0	1	B13	15.1
	56830MF	68	68	560	278	175	175	175	1	1	B13	15.1
L3	56638MF	66	68	560	278	175	190	190	0	1	B13	15.1
	56640MF	66	68	560	278	175	190	190	1	1	B13	15.1
	57220MF	72	88	600	278	175	190	190	0	1	B13	15.6
	57219MF	72	88	600	278	175	190	190	1	1	B13	15.6
	57412MF	74	88	600	278	175	190	190	0	1	B13	15.6
	57413MF	74	88	600	278	175	190	190	1	1	B13	15.6
LB4	58014MF	80	96	680	313	175	175	175	0	1	B13	17.5
	58016MF	80	96	680	313	175	175	175	1	1	B13	17.5
L4	58043MF	80	96	680	315	175	190	190	0	1	B13	17.5
	58044MF	80	96	680	315	175	190	190	1	1	B13	17.5
	59042MF	90	98	690	315	175	190	190	0	1	B13	17.6
	59043MF	90	98	690	315	175	190	190	1	1	B13	17.6
LB5	58515MF	85			353	175	175	175	0	1	B09	19.3
L5	58827MF	88	109	720	353	175	190	190	0	1	B09	19.3
	58828MF	88	109	720	353	175	190	190	1	1	B09	19.3
	60044MF	100	115	770	353	175	190	190	0	1	B09	19.9
L6	61042MF	110	168	880	394	175	190	190	0	1	B09	23.3
D5	67018MF	170	220	990	510	222	197	220	3	1	B00	35.7
	67019MF	170	220	980	510	222	197	220	4	1	B00	35.7
	68032MF	180	236	990	510	222	197	220	3	1	B00	41.8
	68033MF	180	236	990	510	222	197	220	4	1	B00	41.8
	70018MF	200	268	1080	510	222	197	220	3	1	B00	44.8
	70019MF	200	268	1080	510	222	197	220	4	1	B00	44.8

JIS STANDARD

JIS Group	JIS No.		Capacity 20Hr(Ah)	RC (min)	CCA (-18°)	Max Dimension(mm)				Terminal		Hold Down	Weight (Kg)
	NEW	OLD				L	W	H	TH	Layout	Type		
B19	32B19L		32	32	250	187	127	202	225	0	3	B00/B01	8.2
	32B19R		32	32	250	187	127	202	225	1	3	B00/B01	8.2
	40B19L	NS40ZL	36	37	300	187	127	202	225	0	3	B00/B01	8.6
	40B19R	NS40Z	36	37	300	187	127	202	225	1	3	B00/B01	8.6
	40B19LS	NS40ZLS	36	37	300	187	127	202	225	0	1	B00/B01	8.6
	40B19RS	NS40ZS	36	38	305	187	127	202	225	1	1	B00/B01	8.6
	45B19L		38	38	305	187	127	202	225	0	3	B00/B01	8.7
	45B19R		38	38	305	187	127	202	225	1	3	B00/B01	8.7
	45B19LS		38	38	305	187	127	202	225	0	1	B00/B01	8.7
	45B19RS		38	38	305	187	127	202	225	1	1	B00/B01	8.7
B20	40B20L		36	37	300	196	128	202	223	0	3	B00	8.6
	40B20R		36	37	300	196	128	202	223	1	3	B00	8.6
B24	50B24L	N40L	40	37	320	237	128	200	222	0	3	B00/B01	9.9
	50B24R	N40R	40	37	320	237	128	200	222	1	3	B00/B01	9.9
	50B24LS	N40LS	40	37	320	237	128	200	222	0	1	B00/B01	9.9
	50B24RS	N40RS	40	37	320	237	128	200	222	1	1	B00/B01	9.9
	55B24L	NS60L	45	47	350	237	128	200	222	0	3	B00/B01	10.4
	55B24R	NS60R	45	47	350	237	128	200	222	1	3	B00/B01	10.4
	55B24LS	NS60LS	45	47	350	237	128	200	222	0	1	B00/B01	10.4
	55B24RS	NS60RS	45	47	350	237	128	200	222	1	1	B00/B01	10.4
D23	55D23L	65D23L	60	69	430	229	175	202	223	0	1	B01/B15	13.5
	55D23R	65D23R	60	69	430	229	175	202	223	1	1	B01/B15	13.5
	75D23L		65	77	490	229	175	202	223	0	1	B01/B15	14.1
	75D23R		65	77	490	229	175	202	223	1	1	B01/B15	14.1
D26	48D26L	N50L	50	53	420	260	172	200	221	0	1	B15	13.9
	48D26R	N50	50	53	420	260	172	200	221	1	1	B15	13.9
	55D26L	N50ZL	60	59	480	260	172	200	221	0	1	B15	14.5
	55D26R	N50Z	60	59	480	260	172	200	221	1	1	B15	14.5
	75D26L	NS70L	65	69	450	260	172	200	221	0	1	B15	14.6
	75D26R	NS70	65	69	450	260	172	200	221	1	1	B15	14.6
	80D26L	NX110-5L	70	77	480	260	172	200	221	0	1	B15	15.2
	80D26R	NX110-5	70	77	480	260	172	200	221	1	1	B15	15.2
	90D26L		80	92	540	260	172	200	221	0	1	B15	15.9
	90D26R		80	92	540	260	172	200	221	1	1	B15	15.9
D31	65D31L	N70L	70	77	480	305	171	205	226	0	1	B00/B01	16.5
	65D31R	N70	70	77	480	305	171	205	226	1	1	B00/B01	16.5
	75D31L	N70ZL	75	92	530	305	171	205	226	0	1	B00/B01	17.4
	75D31R	N70Z	75	92	530	305	171	205	226	1	1	B00/B01	17.4
	95D31L		80	95	530	305	171	205	226	0	1	B00/B01	17.5
	95D31R		80	95	530	305	171	205	226	1	1	B00/B01	17.5
	105D31L	NX120-7L	80	95	530	305	171	205	226	0	1	B00/B01	17.5
	105D31R	NX120-7	80	95	530	305	171	205	226	1	1	B00/B01	17.5
	115D31L	N90L	90	115	650	305	171	205	226	0	1	B00/B01	18.7
	115D31R	N90R	90	115	650	305	171	205	226	1	1	B00/B01	18.7
	125D31L		95	124	680	305	171	205	226	0	1	B00/B01	19.2
	125D31R		95	124	680	305	171	205	226	1	1	B00/B01	19.2
E41	95E41L	N100L	100	124	670	409	170	211	234	0	1	B00	22.6
	95E41R	N100R	100	124	670	409	170	211	234	1	1	B00	22.6
	105E41L		105	140	720	409	170	211	234	0	1	B00	23.4
	105E41R		105	140	720	409	170	211	234	1	1	B00	23.4
F51	115F51L	N120L	120	143	750	505	183	199	224	4	1	B00	28.3
	115F51R	N120R	120	143	750	505	183	199	224	3	1	B00	28.3
	135F51L		140	163	850	505	183	199	224	4	1	B00	32.5
	135F51R		140	163	850	505	183	199	224	3	1	B00	32.5
G51	145G51L	N150L	150	197	930	510	212	197	220	4	1	B00	34.5
	145G51R	N150R	150	197	930	510	212	197	220	3	1	B00	34.5
	160G51L	N170L	170	220	990	510	212	197	220	4	1	B00	35.7
	160G51R	N170R	170	220	990	510	212	197	220	3	1	B00	35.7
H52	210H52L	N200L	200	268	1080	515	252	218	246	4	1	B00	43.5
	210H52R	N200R	200	268	1080	515	252	218	246	3	1	B00	43.5
	245H52L		220	293	1140	515	252	218	246	4	1	B00	44.8
	245H52R		220	293	1140	515	252	218	246	3	1	B00	44.8

AUTOMOTIVE AGM START-STOP BATTERY

DIN Group	BCI Group	Type No. (DIN)	Capacity 20Hr(Ah)	RC (min)	CCA (EN)	Max Dimension(mm)				Terminal		Hold Down	Weight (Kg)
						L	W	H	TH	Layout	Type		
L0	H3	AGM VRL0 40	40	60	420	175	175	190	190	0	1	B13	12.1
L1	H4	AGM VRL1 50	50	80	540	207	175	190	190	0	1	B13	15.3
L2	H5	AGM VRL2 60	60	100	640	242	175	190	190	0	1	B13	18.0
L3	H6	AGM VRL3 70	70	120	720	278	175	190	190	0	1	B13	20.8
L4	H7	AGM VRL4 80	80	140	800	315	175	190	190	0	1	B13	23.6
L5	H8	AGM VRL5 92	92	160	850	353	175	190	190	0	1	B13	26.2
L6	H9	AGM VRL6 105	105	190	950	394	175	190	190	0	1	B13	30.0

AUTOMOTIVE EFB START-STOP BATTERY

DIN Group	BCI Group	Type No. (DIN)	Capacity 20Hr(Ah)	RC (min)	CCA (EN)	Max Dimension(mm)				Terminal		Hold Down	Weight (Kg)
						L	W	H	TH	Layout	Type		
L1	H4	EFB LN1 50	50	80	540	207	175	190	190	0	1	B13	15.2
L2	H5	EFB LN2 60	60	100	640	242	175	190	190	0	1	B13	17.4
L3	H6	EFB LN3 70	70	120	700	278	175	190	190	0	1	B13	20.3
LB4	T7	EFB LBN4 75	75	130	700	315	175	175	175	0	1	B13	21.4
L4	H7	EFB LN4 80	80	140	750	315	175	190	190	0	1	B13	22.9
L5	H8	EFB LN5 92	92	165	800	353	175	190	190	0	1	B13	25.5
L6	H9	EFB LN6 105	105	190	850	393	175	190	190	0	1	B13	28.1

DIN Group	BCI Group	Type No. (DIN)	Capacity 20Hr(Ah)	RC (min)	CCA (SAE)	Max Dimension(mm)				Terminal		Hold Down	Weight (Kg)
						L	W	H	TH	Layout	Type		
B24	N-55	EFB N55L	40	64	370	237	128	200	222	0	3	B00	13.4
		EFB N55LS	40	64	370	237	128	200	222	0	1	B00	13.4
D23	Q-85	EFB Q85L	60	100	610	229	175	201	222	0	1	B00	17.9
		EFB Q85R	60	100	610	229	175	201	222	1	1	B00	17.9
		EFB Q85L BH	60	100	610	229	175	201	222	0	1	B03	17.9
		EFB Q85R BH	60	100	610	229	175	201	222	1	1	B03	17.9
D26	S-95	EFB S95L	70	110	645	260	172	200	221	0	1	B01	19.7
		EFB S95R	70	110	645	260	172	200	221	1	1	B01	19.7
D31	T-95	EFB T95L	75	132	650	305	171	200	221	0	1	B03	22.1
		EFB T95R	75	132	650	305	171	200	221	1	1	B03	22.1

BATTERIES FOR MARINE

PART NO.	BCI Group		CCA (-18°)	Capacity 20Hr(Ah)	RC (Min)	Max Dimension(mm)			Terminal		Weight (Kg)	Weight (Lbs)	Hold down
						L	W	T	Layout	Type			
MRV24	90D26	24MS	800	88	155	256	170	246	1	Marine	20.6	45.4	B00
MRV27	70MF	27MS	800	89	160	305	171	246	1	Marine	21.8	48.1	B01
MRV31	G31(B)	31MS	950	112	209	332	174	236	1	Marine	27.2	60.0	B01
MRV24DP	90D26	24DP	625	88	157	256	170	246	1	Marine	20.9	46.1	B00
MRV27DP	70MF	27DP	700	114	213	305	171	246	1	Marine	26.6	58.6	B01
MRV31DP	G31(B)	31DP	800	127	242	332	174	236	1	Marine	27.8	61.3	B01

BATTERY COMPONENTS



Flame Arrester

Prevents external flame from entering the battery

Easy Carry Handle

Ease of transportation
Locking system ensures safety

Built-in Magic Eye

Indicates state of charge

Factory Sealed

Truly SMF

Bush

Shiny look
No terminal blackening
Higher strength
Better leak resistance

Cast on Strap

Ensures strong bonding among the plates

Sealed Cover

Heat sealed to prevent leakage
Prevents electrolyte contamination

Special PE Separator

Better punching resistance
High porosity
Low electric resistance

Ca-Sn-Ag Alloy

Stronger grid
Higher corrosion resistance
Lower self discharge

Specially Designed Polypropylene Case

Insignificant water loss
High impact strength
Better electrolyte circulation



BATTERY CARE AND MAINTENANCE



- 1 The battery should be charged if it is stored for more than three months.
- 2 The vent holes on both sides of the battery upper cover or on the vent plug should be checked regularly. Keep the holes from being blocked by dust and ice water to avoid poor exhaust, shell deformation and burst.
- 3 The battery should be fully charged before a long time storage, otherwise the battery performance will be influenced.



- 4 When charging batteries, work in a well-ventilated area. Always turn battery charger off before disconnecting a battery.
- 5 The battery can't be used any more if the battery terminals are burned.
- 6 We recommend constant voltage charging instead of constant current charging for the battery.



- 7 Test the reserved capacity firstly during the test of battery performance.
- 8 For batteries with indicator, if the indicator turns white during use, it may be caused by the bubbles around the indicator ball. Shake the battery carefully, if the indicator turns green, it means the battery can still be used. If the indicator keeps white, the battery is in lack of electrolyte. Then the battery should be replaced.



- 9 Don't use the electric equipments in the car for a long time if the car generator is not working, like the lamps, air conditioners and audio. Otherwise the battery will deeply discharge. The battery lifetime will be reduced, and the car may can't be started.



- 10 Usually it takes 3 to 5 seconds to start a car at first time. The restarting should be at intervals of more than 15 seconds. If the car fails to be started after many times, you need to check if there is any damage on the battery or the circuit. This situation usually happens in winter.
- 11 We can't avoid the natural electric lose caused by the vehicle load. So if the car will be parked for more than 10 days, please break the negative connection wire of the battery to avoid electric lose caused by the vehicle load and deep discharging.

HOLD DOWN



1

Battery acid can cause burns. Pls keep away from children. Suitable hand, eye and face protection and protective clothing must be worn. If in eyes, hold eyelids apart and flush the eye continuously with running water or contact a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin or hair with running water.

2

Keep away from heat source and open fire. Keep ventilation when charging or using batteries to avoid burst hurt

3

Contact the agent if there are some problems with batteries.

4

Do not open the battery to avoid explosion.

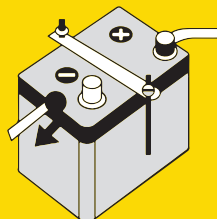
5

Do not use metal tools to connect positive and negative terminal, otherwise the battery will short circuit and cause fire or explosion.

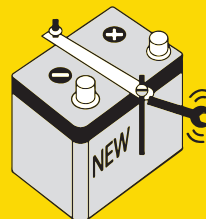
HOW TO REPLACE BATTERY



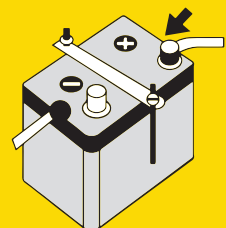
Switch off the engine and keep sparks, flames, cigarettes away from battery at all times before removing the old battery.



Disconnect the negative terminal first and avoid short-circuit caused by tools when removing old battery.



Clean corroded parts in tray and cable clamps before installation of new battery.

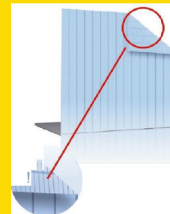


Connect the positive terminal first and check the terminal clamps for tight fit when installing new battery.

PRODUCT ADVANTAGE

Duralife Technology (Battery Separator technology)

1. Oxidation resistance increased by more than 40%;
2. Soluble organic carbon reduced by 50%;
3. Compared with other similar materials, the electric resistance is reduced by 10%;
4. The patented design of negative cross ribs improves the intensity of the separator

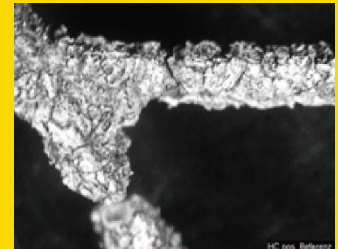


New alloy technology (Grid technology)

1. The corrosion of the new alloy is 30% lower than that of the old alloy;
2. The corrosion interface of the new alloy is more uniform. And the grains are thinner;
3. This technology can increase the battery's heavy load life by more than 30%.



Corrosion layer of new alloy

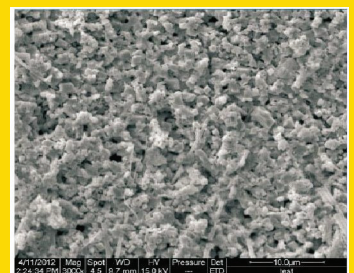
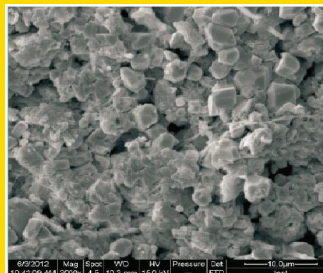
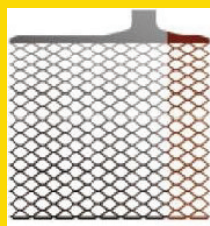


Corrosion layer of new alloy

Carbon additives (Lead paste formula)

The addition of highly conductive carbon materials can refine the crystal size of lead sulfate during high-rate discharge, effectively delaying the sulfate formation of the negative electrode. Cycle discharge life performance is 2 times that of ordinary batteries.

Optimized frame design to minimize grid corrosion





Power That Drives You Forward

At BATEURO, we provide dependable, high-performance battery solutions built for all types of cars, commercial vehicles, and marine applications. Engineered for durability and superior efficiency, our batteries deliver consistent power whether you're on the road, at work, or out at sea.

From daily drives to heavy-duty operations, BATEURO keeps you moving with confidence.

BATEURO — Energy You Can Rely On.



www.bateuro.com