

EUROPOWER

CALCIUM PREMIUM BATTERY

TESTED TECHNOLOGY. TRUSTED PERFORMANCE..



EUROPOWER

MF BATTERY

MADE IN KOREA

GET YOUR REAL POWER....
GO FOR EUROPOWER..



EUROPOWER Calcium Premium Battery

Tested Technology & Trusted Performance

Europower Maintenance Free Batteries are technically Superior & Time Tested batteries and trusted all over the world for its superfine & unbeatable performance. Quality starts at the raw material stage and is controlled at every stage of the battery manufacturing and its final inspection. Internal rust free calcium metal maintains excellent heat resistibility and immunity against drastic temperature variance and ensures excellent heat resistance for the battery.

Advanced Salient Features

SMOOTH & STABLE ENGINE OPERATION:

Charging & Discharging efficiency and the products lifespan are enhanced by employing the super polymer, lower resistant separator & the built in terminal called COS. It can store more solution due to its expanded calcium metal and thereby is able to perform stronger for steadier engine operation.

MAINTENANCE FREE:

EUROPOWER MF Batteries are 100% maintenance free which means you "install it and forget it." MF Batteries never need water or acid, as they are sealed and cannot be tampered with. Because they are sealed - no contaminants can get in the battery, which reduces the battery service life.

EUROPOWER MF BATTERY: To Water or Not to Water?

In millions of vehicles, lead-acid batteries start people on billions of journeys every day. Yet as car engines become more complex and the technology of automotive batteries advances, motorists seem to be confused about the batteries under their hoods.

The auto battery, made of lead, plastic and electrolyte - a dilute solution of sulfuric acid and water - is designed to deliver a short burst of high power to start the vehicle's engine.

Should motorists pry off the battery caps, check the electrolyte level and add water?

And what does the term "**Maintenance Free**" in a **MF BATTERY** really mean?

Battery Council International (BCI), states that: ***Maintenance Free batteries** are those that are completely sealed, without caps and where motorists need not check or top up the electrolyte levels.*

In short **Maintenance Free batteries** are "FIT IT AND FORGET IT"

Having read it NOW GO GET THE REAL POWER - GO FOR EUROPOWER

EXTENDED LIFE SPAN:

The batteries have significant longer lifespan over its competitors due to calcium based compound metal which reduces the electrolytic solution and also minimizes self discharging. Its minimum self discharge allows 63% extra shelf life due to its calcium compound over the hybrid batteries. It gives stable and sound performance without ever having to refill the electrolyte. No Stopping is required & increases the shelf life of the battery.

BATTERY HEALTH INDICATOR:

The built in indicator informs the health of the battery and condition of the electrolyte and can be easily self Inspected.

EASY & MANAGEABLE HANDLE:

Built in handle helps to manage the battery while handling, seating the battery on the battery position and while lifting the battery of the vehicle.

VIBRATION RESISTANT:

They are vibration resistant, but not due to the alloys used, rather due to an improved design and manufacturing process. The battery has a more rigid design, improved weld surface area, much better bonding between plates and strap, wider straps and lugs and stronger inter-cell welds. These are the result of the use of state of the art equipment.

OEM MF BATTERIES:

Europower batteries are OEM batteries and are supplied from the plants in KOREA to vehicle manufacturers in KOREA. Calcium batteries have been specifically designed to suit international Original Equipment manufacturers requirements. Modern Passenger vehicles especially, demand extraordinary performance standards and our calcium batteries exceed these needs.

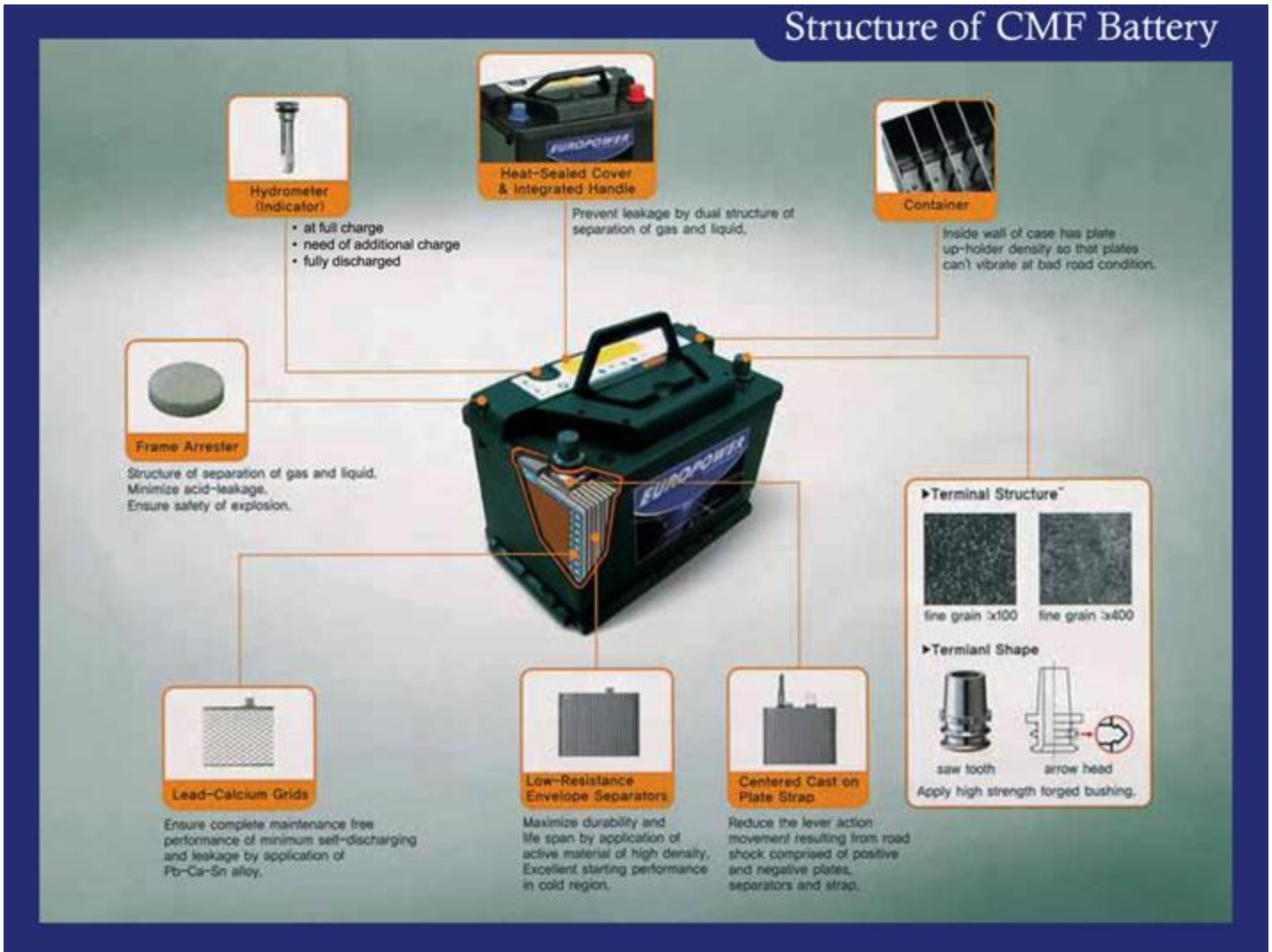
QUALITY CERTIFIED PLANT:

ISO9001, QS9000, ISO/TS16949

PLANT ENVIRONMENTAL CERTIFICATION:

ISO14001

Structure of CMF Battery



PRODUCT RANGE

Tested Technology. Trusted Performance.

Europower Maintenance Free Batteries (MF Battery) product range boasts of eight standardized battery products that operate smoothly and offer unbeatable performance. Produced in Korea the range includes batteries for Japanese, European and American Vehicles as per standards. Ultra Heavy Duty and made of polypropylene cover these batteries ensure smooth and stable engine operation.

Our Product Range includes:

- JIS CMF Series (For Japanese Vehicles)
- Asian Vehicles Battery Specifications
- American and European Vehicles Battery Specs
- DIN CMF Series (For European Vehicles)

JIS GROUP	JIS No.		Capacity(AH)		-18°C CCA(Amps)	RC(MIN)	MAX. Overall Dimension(mm)				Lay-Out	Terminal	Weight(KGS)
	New	Old	20Hr	5Hr			L	W	H;	TH			
B19	42B19R	NS40Z	35	28	332	52	187	127	199	219	1	B	9.6
	42B19L	NS40ZL	35	28	332	52	187	127	199	219	0	B	9.6
B24	55B24R	NS60(S) /L	45	36	433	80	236	128	200	220	1	B	12.9
	55B24L		45	36	433	80	236	128	200	220	1	B	12.9
	55B24RS	>NX110 -S6	45	36	433	80	236	128	200	220	1	A	12.9
	55B24LS		45	36	433	80	236	128	200	220	1	A	12.9
D23	65D23R	-	55	44	450	85	230	168	200	220	1	A	15.5
	65D23L	-	55	44	450	85	230	168	200	220	1	A	15.5
	75D23R	-	65	52	550	110	230	168	200	220	1	A	16.0
	75D23L	-	65	52	550	110	230	168	200	220	1	A	16.0
D26	48D26R	N50	50	40	350	81	260	168	200	220	1	A	15.2
	48D26L	N50L	50	40	350	81	260	168	200	220	1	A	15.2
	55D26R	N50Z	60	48	500	100	260	168	200	220	1	A	16.6
	55D26L	N50ZL	60	48	500	100	260	168	200	220	1	A	16.6
	85D26R	NX110-5	70	56	630	133	260	168	200	220	1	A	18.2
	85D26L	NS70	70	56	630	133	260	168	200	220	1	A	18.2
D31	65D31R	N70	70	56	600	120	301	172	200	220	1	A	20.5
	65D31L	N70Z	70	56	600	120	301	172	200	220	0	A	20.5
	105D31R	NX120-7	90	72	750	165	301	172	200	220	1	A	23.1
	10531L	NX120-7L	90	72	750	165	301	172	200	220	0	A	23.1
CMF100	CMF100R	-	100	80	750	175	324	172	204	224	1	A	24.0
	CMF100L	-	100	80	750	175	324	172	204	224	0	A	24.0
E41	115E41R	N100	100	80	750	175	403	173	209	231	1	A	24.5
	115E41L	N100L	100	80	750	175	403	173	209	231	0	A	24.5
	130E41R	NS120	110	88	850	185	403	173	209	231	1	A	26.0
	130E41L	NS120L	110	88	850	185	403	173	209	231	0	A	26.0
F51	130F51	N120	120	96	850	230	503	182	208	230	4	A	33.5
	140F51	NS150	140	112	950	250	503	182	208	230	4	A	35.0
G51	155G51	N150	150	120	1000	300	503	216	208	230	4	A	41.0
	165G51	NS200	170	136	1050	320	503	216	208	230	4	A	42.0
H52	190H52	N200	200	160	1100	430	503	261	217	239	4	A	53.0

Terminal

A. Standard Terminal



B. Small Terminal:
(The Shim Adapters are available to be converted into standard terminal)



C. Type BN:



D. Type X:



E. Ford Type:



F. Type V (Marine):



G. Type T (Screw):



H. Side Type:



I. Type L:



J. Dual Fit Type:



Base Hold-Down



BCI Assembly Numbers, Cell Lay-out



FIG. 8

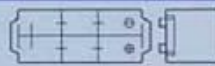


FIG. 10

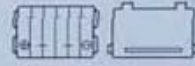


FIG. 10F

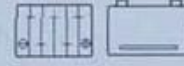


FIG. 11

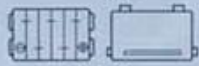


FIG. 11F



FIG. 15



FIG. 17

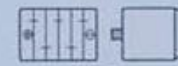


FIG. 18

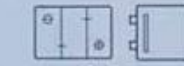
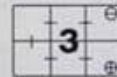
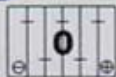


FIG. 19

Cell Lay-out



European Vehicles

DIN Group	Table No.(DIN)	Capacity 20Hr(AH)	18°C CCA (Amps)		MAX. Overall Dimension(mm)				Lay-Out	Terminal	Base Hold Down	Weight (KGS)
			DIN	SAE	L	W	H	TH				
LB1	53624	36	175	330	208	173	173	173	0	A	B1	11.0
	53638	36	175	330	208	173	173	173	1	A	B1	11.0
L1	54459	44	210	380	208	173	188	188	0	A	B3	12.0
	54464	44	210	380	208	173	188	188	0	A	B3	12.0
LB2	54519	45	220	400	242	173	188	188	0	A	B4	13.0
	55040	50	300	490	242	173	173	173	0	A	B3	13.5
L2	55559	55	255	450	242	173	188	188	0	A	B3	14.6
	56219	55	280	500	242	173	188	188	1	A	B3	14.6
	56219	62	280	500	242	173	188	188	0	A	B3	15.5
	56220	62	280	500	242	173	188	188	1	A	B3	15.5
L3	56638	66	300	550	275	173	188	188	0	A	B3	17.0
	57412	74	350	650	275	173	188	188	0	A	B3	18.0
	57413	74	350	650	275	173	188	188	1	A	B3	18.0
L5	58827	88	395	750	354	173	188	188	0	A	B3	22.0
	60038	100	450	800	354	173	188	188	0	A	B3	23.0
	62034	120	450	850	503	182	193	214	3	A	-	33.5
	62038	120	450	850	503	182	193	214	4	A	-	33.5
	64020	140	500	950	503	182	193	214	3	A	-	35.0
	64317	143	540	1000	503	216	193	214	3	A	-	41.0
	64318	143	540	1000	503	216	193	214	4	A	-	41.0
	67018	170	600	1050	503	216	193	214	3	A	-	42.0
	70027	200	650	1100	503	216	217	239	3	A	-	53.0
	70029	200	650	1100	503	261	217	239	4	A	-	53.0
	53520	35	150	340	187	127	199	219	0	B	-	9.6
	53522	35	150	240	187	127	199	219	1	B	-	9.6
	54523	45	190	430	236	128	200	220	0	A	-	12.9
	54524	45	190	430	236	128	200	220	1	A	-	12.9
	54551	45	190	430	236	128	200	220	1	B	-	12.9
	54584	45	190	430	236	128	200	220	0	B	-	12.9
	54577	45	190	430	217	134	200	220	0	A	B1	11.5

54578	45	190	430	217	134	200	220	0	B	B1	11.5
54579	45	190	430	217	134	200	220	1	A	B1	11.5
54580	45	190	430	217	134	200	220	1	B	B1	11.5
56068	60	235	550	230	168	200	220	0	A	-	16.0
56069	60	235	550	230	168	200	220	1	A	-	16.0
57512	75	340	600	301	172	200	220	0	A	-	20.5
57513	75	340	600	301	172	200	220	1	A	-	20.5
59615	96	380	750	324	172	204	224	0	A	-	24.0
59616	96	380	750	324	172	204	224	1	A	-	24.0
60016	100	380	750	403	173	209	231	0	A	-	24.5

