

Automotive Battery

RAHIMAFROOZ



We offer a complete line of maintenance-free lead-acid batteries for passenger cars. Our precision focused manufacturing facilities use state-of-the-art technology to ensure that our batteries deliver high performance and a smooth driving experience.

We manufacture premium maintenance-free automotive batteries for heavy-duty commercial vehicles. These vehicles need batteries that are exceptionally robust and powerful to meet the heavy-duty demands placed on them round the clock under all sorts of terrain and weather conditions.



**BEST FIT
FOR TROPICAL
ENVIRONMENT**



**EXPANDED
METAL
TECHNOLOGY**



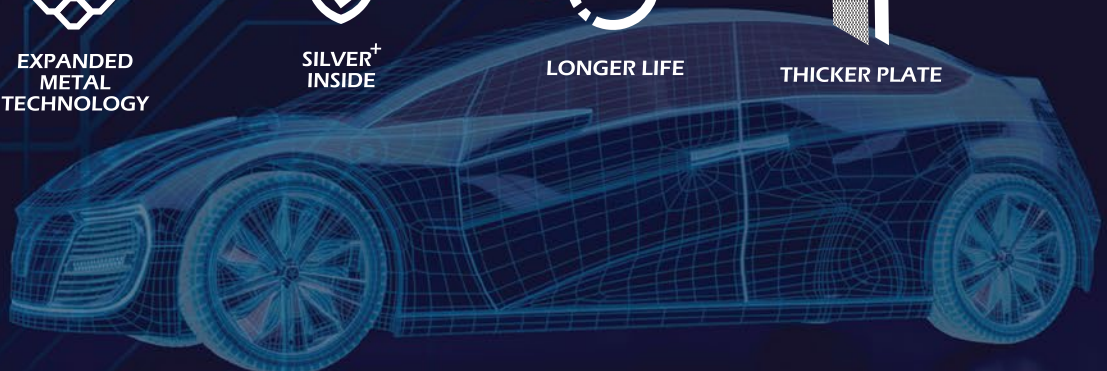
**SILVER⁺
INSIDE**



LONGER LIFE



THICKER PLATE



JIS TYPE

Battery Type		AH @ 20 Hour Rate	CCA	Dimension (mm)			Cell Layout	Terminal Type	Filled Weight (kg)
Old JIS	New JIS			L	W	H			
PASSENGER CAR									
NS40/L	36B20R/L	32	280	197	129	227	1/2	B	8.6
NS40Z/L	44B20R/L	35	335	197	129	227	1/2	B	9.2
N40/L	50B24R/L	40	350	238	129	227	1/2	B	10.8
N40S/LS	50B24R(S)/L(S)	40	350	238	129	227	1/2	A	10.9
NS60/L	55B24R/L	45	440	238	129	227	1/2	B	11.4
NS60S/LS	55B24RS/LS	45	440	238	129	227	1/2	A	11.5
55D23/L	65D23/L	60	550	231	173	225	1/2	A	14.6
N50/L	55D26R/L	50	440	259	173	225	1/2	A	14.2
N50Z/ZL	65D26R/L	60	530	259	173	225	1/2	A	15.6
NS70/L	80D26R/L	65	600	259	173	225	1/2	A	17.0
NX110-5/L	85D26R/L	70	600	259	173	225	1/2	A	17.0
N70/L	85D31R/L	70	635	306	173	225	1/2	A	18.6
N70Z/ZL	95D31R/L	75	650	306	173	225	1/2	A	18.6
NX120-7/L	105D31R/L	80	750	306	173	225	1/2	A	19.9
N90/L	115D31R/L	90	775	306	173	225	1/2	A	20.0
COMMERCIAL VEHICLE									
N100/L	115E41R/L	100	700	410	173	233	1/2	A	25.9
N120/L	135F51R/L	120	850	506	182	250	1/2	A	32.9
N135/L	150F51R/L	135	875	506	182	250	1/2	A	33.7
N150/L	165G51R/L	150	1000	506	221	248	1/2	A	38.0
N170/L	190G51R/L	170	1050	506	221	248	1/2	A	39.7
N180/L	195H52R/L	180	1100	518	274	248	1/2	A	47.0
N200/L	210H52R/L	200	1200	518	274	248	1/2	A	48.0



TYPE DIN

Battery Type	AH @ 20 Hour Rate	CCA	Dimension (mm)			Cell Layout	Terminal Type	Hold Down	Filled Weight (kg)
			L	W	H				
54434/54459	44	390	207	175	190	2	C	B13	11.7
55530/55548	55	480	242	175	190	2/1	C	B13	14.0
56030/56031	60	540	242	175	190	2/1	C	B13	14.3
56618/56638	66	580	278	175	190	2	C	B13	16.2
57217/57219	72	680	278	175	190	2/1	C	B13	17.6
57412/57413	74	680	278	175	190	2/1	C	B13	17.6
57512/57513	75	680	278	175	190	2/1	C	B13	17.6
58533/58535	85	700	315	175	190	2	C	B13	19.3
58035/58043	80	700	315	175	190	2	C	B13	19.3
58815/58827	88	800	353	175	190	2	C	B13	20.6
59218/59259	92	800	353	175	190	2/1	C	B13	20.6
60038/60044	100	850	353	175	190	2	C	B13	21.7

LOW HEIGHT SERIES

54321/54322	43	390	207	175	175	2/1	C	B13	11.0
55046	50	430	242	175	175	2	C	B13	12.8
55419/55457	54	430	242	175	175	2	C	B13	12.8
55506	55	430	242	175	175	2	C	B13	12.8
58014	80	700	315	175	175	2	C	B13	17.7
58515	85	740	353	175	175	2	C	B13	20.1

DIN CV

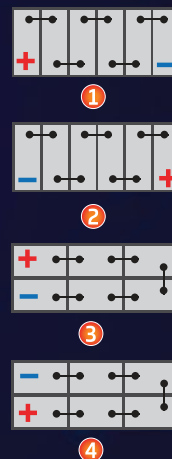
67018	170	875	509	222	214	4/3	A	—	43.1
68032	180	1000	509	222	214	4/3	A	—	44.8
72527	225	1300	505	264	228	4/3	A	—	55.0



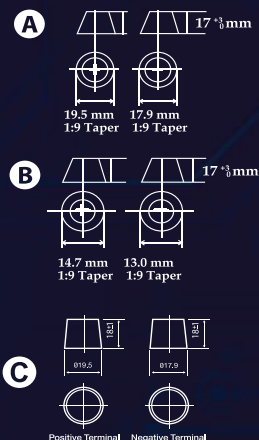
Key product features

- Calcium-calcium-tin and calcium-silver maintenance-free battery
- Expanded metal grid technology
- Centered cast-on-strap cells
- Double chamber container with condensation mechanism
- Built-in magic eye and flame arrestor
- Best grade virgin lead, pp and chemicals
- Robust design to perform in all terrain conditions

CELL LAYOUT

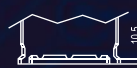
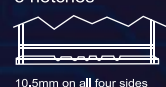


TERMINAL

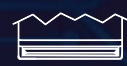


DIN Bottom Hold
5 notches

B13



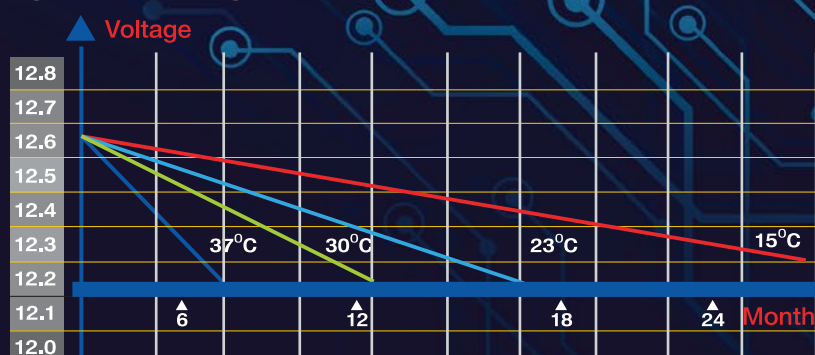
JIS Bottom Hold



Self - Discharge Characteristics

Self-discharge by nature is a common phenomenon for lead-acid batteries. The reason behind this is the impurities contained in lead alloy induce local action, causing electric energy to be consumed. This phenomenon is temperature dependent, higher temperature leads to higher discharge. Compared with the other lead acid batteries GLOBATT uses carefully selected highly refined Ca-Tin alloy, rendering extremely low rate of self discharge. That's why a freshening charge is not required for GLOBATT batteries until the OCV becomes 12.2V or lower.

Fig : Self - Discharge Characteristics



At 12.2 V latest a recharge is needed

37°C = 7 month 12.2 V
30°C = 11 month 12.2 V
23°C = 18 month 12.2 V
15°C = 30 month 12.2 V