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.

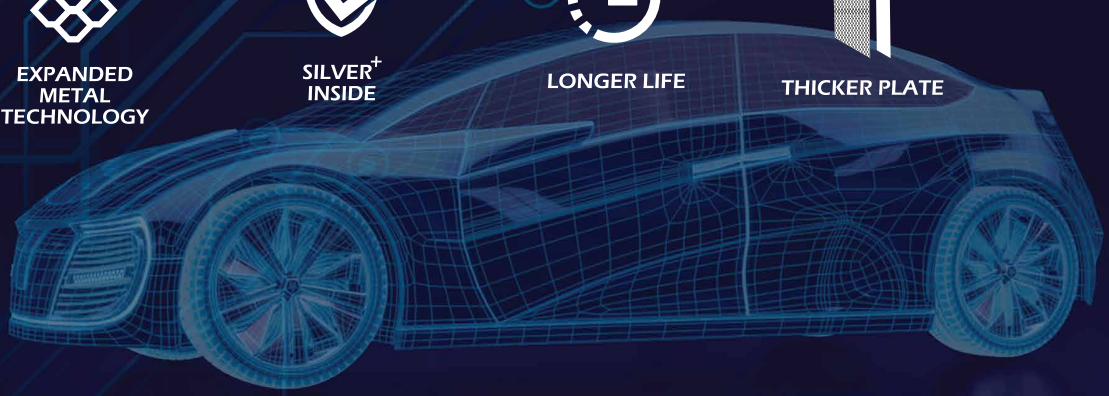
BEST FIT FOR TROPICAL ENVIRONMENT

EXPANDED METAL TECHNOLOGY

SILVER^{+} INSIDE

LONGER LIFE

THICKER PLATE



RAHIMAFROOZ

JIS TYPE

PREMIUM

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	350	197	129	227	1/2	B	9.4
NS40Z/L	44B20R/L	35	400	197	129	227	1/2	B	9.9
N40/L	50B24R/L	40	420	238	129	227	1/2	B	11.5
N40S/LS	50B24R(S)/L(S)	40	420	238	129	227	1/2	A	11.6
NS60/L	55B24R/L	45	460	238	129	227	1/2	B	11.8
NS60S/LS	55B24RS/LS	45	460	238	129	227	1/2	A	11.9
55D23/L	65D23/L	60	570	231	173	225	1/2	A	15.4
N50/L	55D26R/L	50	480	259	173	225	1/2	A	15.0
N50Z/ZL	65D26R/L	60	550	259	173	225	1/2	A	16.0
NS70/L	80D26R/L	65	630	259	173	225	1/2	A	17.2
NX110-5/L	85D26R/L	70	675	259	173	225	1/2	A	18.4
N70/L	85D31R/L	70	650	306	173	225	1/2	A	19.2
N70Z/ZL	95D31R/L	75	710	306	173	225	1/2	A	19.6
NX120-7/L	105D31R/L	80	780	306	173	225	1/2	A	20.8
N90/L	115D31R/L	90	800	306	173	225	1/2	A	21.7
COMMERCIAL VEHICLE									
N100/L	115E41R/L	100	830	410	173	233	1/2	A	27.7
N120/L	135F51R/L	120	950	506	182	250	1/2	A	35.0
N135/L	150F51R/L	135	1050	506	182	250	1/2	A	39.0
N150/L	165G51R/L	150	1200	506	221	248	1/2	A	41.0
N170/L	190G51R/L	170	1300	506	221	248	1/2	A	42.7
N180/L	195H52R/L	180	1350	518	274	248	1/2	A	52.8
N200/L	210H52R/L	200	1400	518	274	248	1/2	A	53.7

TYPE DIN

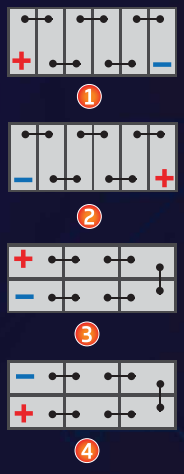
PREMIUM

Battery Type	AH @ 20 Hour Rate	CCA	Dimension (mm) L	W	H	Cell Layout	Terminal Type	Hold Down	Filled Weight (kg)
54434/54459	44	420	207	175	190	2	C	B13	11.7
55530/55548	55	510	242	175	190	2/1	C	B13	14.6
56030/56031	60	620	242	175	190	2/1	C	B13	15.6
56618/56638	66	640	278	175	190	2	C	B13	16.7
57217/57219	72	765	278	175	190	2/1	C	B13	18.1
57412/57413	74	765	278	175	190	2/1	C	B13	18.1
57512/57513	75	765	278	175	190	2/1	C	B13	18.1
58533/58535	85	860	315	175	190	2	C	B13	21.0
58035/58043	80	860	315	175	190	2	C	B13	21.0
58815/58827	88	900	353	175	190	2	C	B13	23.5
59218/59259	92	900	353	175	190	2/1	C	B13	23.5
60038/60044	100	950	353	175	190	2	C	B13	24.5
LOW HEIGHT SERIES									
54321/54322	43	410	207	175	175	2/1	C	B13	11.2
55046	50	480	242	175	175	2	C	B13	14.5
55419/55457	54	480	242	175	175	2	C	B13	14.5
55506	55	480	242	175	175	2	C	B13	14.5
58014	80	820	315	175	175	2	C	B13	19.9
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

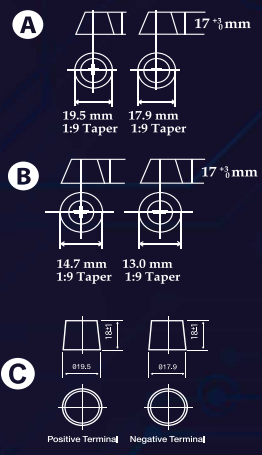
Key product features

- 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

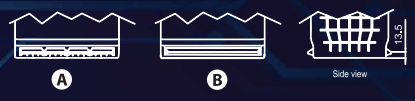


TERMINAL



DIN Bottom Hold

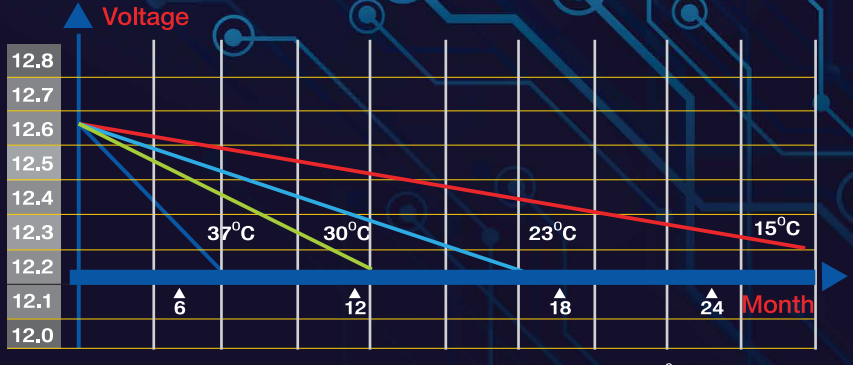
JIS Bottom Hold



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 in 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