

SINCE 
1979

Always Keep With The Best

HAMKO
Group

Let's grow together ...

Japan Industrial Standard (JIS)

Silver Inside
Silva *Green*

Maintenance Free Battery (MF)



- » Heavy Duty
- » High Performance
- » Tropical Design
- » Long Life
- » Eco Friendly

HAMKO is a leading manufacturer of Lead Acid batteries in Bangladesh. Apart from battery manufacturing, HAMKO also leads the way in battery manufacturing components, chemicals and supports overall battery manufacturing industries in Bangladesh.

Our Mission

"To position HAMKO as a chosen brand in Bangladesh and abroad through quality and service of our products."

Our vision

To create a world class product with the bundle of humble service makes us responsible to;

- » Provide best value for end user/users/customers.
- » Play a vital role for environment.
- » Make customers/user's daily life easier.
- » Increase customer awareness about global impact.



BDS 206

Certified by multiple international standard organization



HAMKO Silva Green MF Battery Construction & features:

Silva Green MF battery under HAMKO brand has been developed by calcium alloy technology. Full maintenance free battery of calcium alloy technology is designed by lead-calcium-silver-tin. The capability of delivering high starting current due to adding silver renders it the most technological & highest durable MF battery in Bangladesh. Higher reserve capacity (RC), higher charge acceptance, Negligible self-discharge, Higher cranking current & voltage (CA & CV), Low internal resistance & high internal conductivity empowers it to drive smooth operation of high energy consumption vehicles. Due to remaining performance in lower temperature it stays productive in winter relative to any other MF.

Type A / SAE
Automotive Top Terminal

Polypropylene Case
combines light weight with
high-impact strength.

Heat Sealed Covers/Lid
help prevent electrolyte
contamination and
increase case strength.

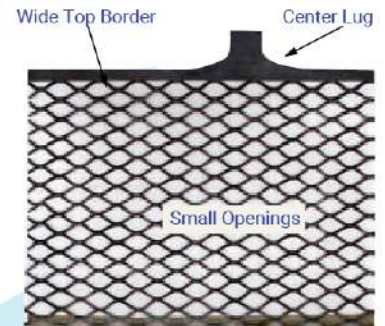


Inbuilt Hydrometer indicates state
of charge at a glance.

Flame Arrestor To prevent water
loss & the way to get out gas

Factory Sealed, Lead Calcium
Technology makes this battery truly
maintenance free.

Glass Mat Envelopes Separator
encapsulate plates to prevent
shorting.

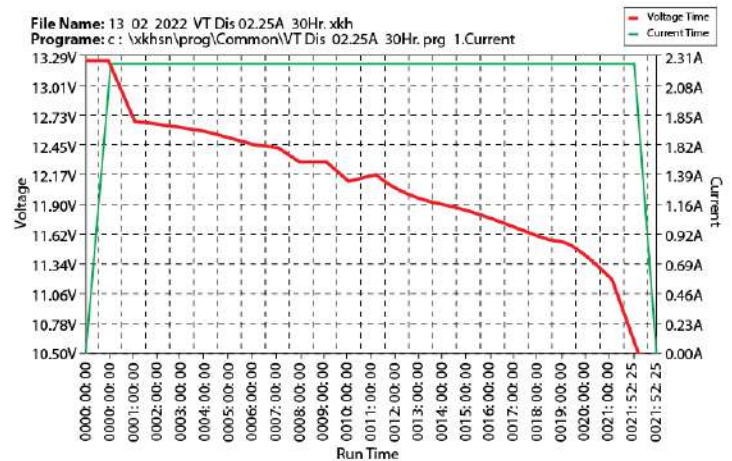
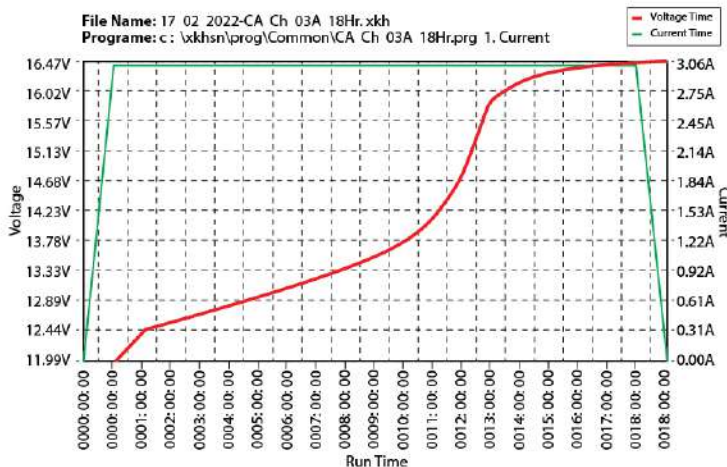


Expanded metal grids

Wide bottom bond

◆ Minimize shock from Vibration
and Road Conditions

◆ Longer Service Life due to
less active material shed



The graph represents the charge-discharge characteristics of the HAMKO Silva Green MF battery. It appears in this graph that battery Silva NS60L type has been charged and discharged during 18 hrs & 23 hrs in 2.5 avg charging amps & 03 avg discharging amps respectively. It matches the declared capacity as well as it ensures 100% efficiency of HAMKO Silva Green MF battery.

Customer benefit of HAMKO Silva Green Battery:

1. Factory sealed - Makes these batteries 100% maintenance-free.
2. Polypropylene case - Robust design is precisely support the battery elements to withstand road shock and vibration.
3. Integrated handle - For ease of transport and installation.
4. Flame arrestor - Safety system, prevents explosion from sparks outside the battery, minimizes acid leakage and prevents inflow of dust.
5. Heat sealed covers - Helps prevent electrolyte pollution and increase case strength..
6. Low resistance envelope separators - Encapsulated negative plates help to prevent short circuit.
7. Increased battery shelf life - Up to 6 months shelf life without charging due to the use of Ca-Ag-Ca grids (compared to others MF).
8. Inclusion of silver: To prevent shedding, grid growth and corrosion in higher operating temperature silver adding with lead-cal-tin alloy reduces corrosion and enhances plate mechanical strength, the resulting is higher life time than any others MF



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Battery types & Applications

HAMKO Maintenance Free Brand For Hybrid & Non Hybrid Vehicles

SL No.	Battery Type	Volt	AHC @20 Hr	CCA	RC	Dimension in mm Approximate				Technology	Vehicle Type	Application	Engine Capacity
						L	W	H					
01	NS40Z/ZL-MF	12	35	265	50	187	129	205	227	Ca-Ca-MF	Non-Hybrid	Toyota Aqua, Fielder, Axlo, Selnta, Corolla Honda Vezel, Honda Grace, Honda HR-V	1300CC to 1498CC
	38B19R/L	12	35	265	50	187	129	205	227	Ca-Ca-MF	Hybrid		
	M42L	12	40	265	50	187	129	205	227	EFB	Hybrid		
02	NS60S/L-MF	12	45	320	80	238	129	207	225	Ca-Ca-MF	Non-Hybrid	Toyota Private Car, Noah, Toyota Jeep, Townace Mitsubishi Suzuki Nissan, Toyota Prlus	1300CC to 2000CC
	N5SR/L	12	50	320	80	238	129	207	225	EFB	Hybrid		
03	55D23R/L	12	60	480	135	230	173	205	225	Ca-Ca-MF	Non-Hybrid	Toyota Crown, Camry, Harrier, RAV-4 Honda Accord	2300CC to 2500CC
	Q85R/L	12	60	480	107	230	173	205	225	EFB	Hybrid		
04	N50Z/ZL-MF	12	60	480	135	259	173	205	223	Ca-Ca-MF	Non-Hybrid	Toyota Private Car, Noah, Toyota Jeep, Townace Toyota Allion, Mitsubishi, Suzuki, Nissan	1800CC to 2000CC
	S95R/L	12	70	480	135	259	173	205	223	EFB	Hybrid		
05	NS70/L-MF	12	65	480	135	259	173	205	223	Ca-Ca-MF	Non-Hybrid	Toyota Jeep, Micro Bus, Hiace, Hilux, Townace Nissan Jeep, Land Cruiser, Mahindra Bolero Mercedes Land Rover, Jee Pickup	2000CC to 2800CC
06	N70-MF	12	70	525	150	306	173	205	223	Ca-Ca-MF	Non-Hybrid	Toyota Jeep, Micro Bus, Hiace, Hilux, Townace Nissan Jeep, Land Cruiser, Mahindra Bolero Mercedes Land Rover, Jee Pickup	2500CC to 2800CC
07	N70Z/ZL-MF	12	75	525	150	306	173	205	223	Ca-Ca-MF	Non-Hybrid	Toyota Jeep, Micro Bus, Hiace, Hilux, Townace Nissan Jeep, Land Cruiser, Mahindra Bolero Mercedes Land Rover, Jee Pickup	2500CC to 2800CC
08	NX120-7/L	12	80	560	160	306	173	205	223	Ca-Ca-MF	Non-Hybrid	Toyota Jeep, Micro Bus, Hiace, Hilux, Townace N Issan Jeep, Land Cruiser, Mahindra Bolero, Mercedes Land Rover, Jee Pickup, Tata Eicher, Poton	2500CC to 3200CC
	T110L	12	90	570	160	306	173	205	223	EFB	Hybrid		
09	DIN35/L	12	35	580	55	175	175		190	Ca-Ca-MF	Non-Hybrid	Hybrid: Toyota Altis, C-HR, Cross	1798CC to 2000CC
	LN0-35/L	12	35	580	55	175	175		190	EFB	Hybrid		
10	DIN45/L	12	44	630	80	207	175		190	Ca-Ca-MF	Non-Hybrid	Hybrid Toyota CH-R, Corolla, Prlus	1798CC to 1800CC
	LN1-45/L	12	44	630	80	207	175		190	EFB	Hybrid		
11	DIN55/L	12	55	650	85	242	175		190	Ca-Ca-MF	Non-Hybrid	Hyundai Trosson, Tucson	1497CC to 2000CC
	LN2-55/L	12	55	650	85	242	175		190	EFB	Hybrid		
12	DIN66/L	12	66	720	108	287	175		190	Ca-Ca-MF	Non-Hybrid	BMW330e, Mercedes, Audi, Hyundai, MG Nissan X-tril	1900CC to 2400CC
	LN3-66/L	12	66	720	108	287	175		190	EFB	Hybrid		
13	DIN80/L	12	80	730	148	352	175		175	Ca-Ca-MF	Non-Hybrid	BMW XI Series	2000CC
	LN4-80/L	12	80	730	148	352	175		175	EFB	Hybrid		
14	DIN88/L	12	88	730	148	352	175		190	Ca-Ca-MF	Non-Hybrid	BMW 5 Series	2000CC
	LN5-88/L	12	88	795	150	352	175		190	EFB	Hybrid		
15	DIN92/L	12	92	795	155	352	175		190	Ca-Ca-MF	Non-Hybrid	BMW, Rang Rover, Volvo, Audi, Discoer	2500CC to 3000CC
	LN5-92/L	12	92	795	155	352	175		190	EFB	Hybrid		
16	DIN100/L	12	100	950	160	352	175		190	Ca-Ca-MF	Non-Hybrid	BMW, Rang Rover, Volvo, Audi	2500CC to 3000CC
	LN5-100/L	12	100	950	160	352	175		190	EFB	Hybrid		

Silva Silver Inside Green

Maintenance Free Battery (MF)

HAMKO Battery Service & Distribution Center

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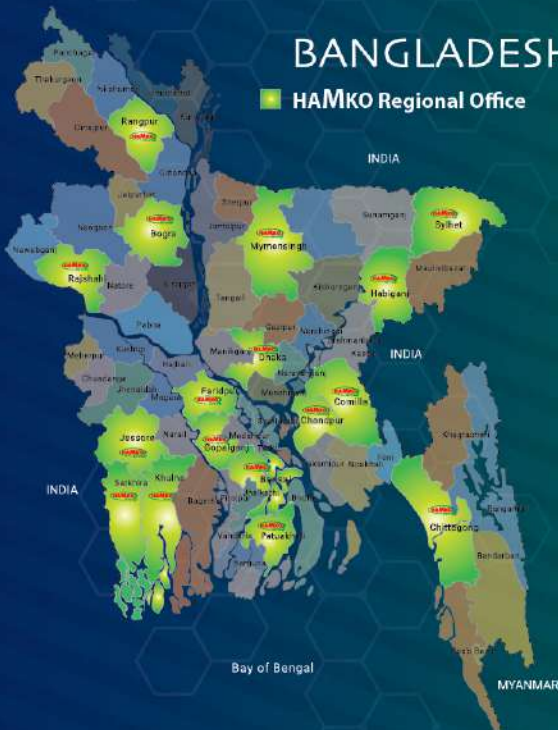
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Scan the QR code to find the nearest
HAMKO service center or dealer location.



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A journey year after year...

