

# AUTOMOTIVE BATTERIES DATA SHEET

**Model: MAS-MX45B24HD (L)**

## Features

- Polypropylene Container with ribs to withstand extreme road conditions and vibration resistant.
- Ca-Ca Alloy System ensures the battery can withstand the temperate environment and high under-bonnet temperatures and minimised Water Loss.
- Optimized Negative paste recipe for fast charge acceptance.
- Low Self Discharge.
- Ready-to-use: Batteries delivered factory-charged in ready-to-use condition



## Battery Applications

Automobiles.

## TECHNICAL SPECIFICATIONS

Model	MAS-MX45B24HD (L)	
Rated Capacity at 20 hour Rate	45Ah	
Battery Nominal Voltage	12V	
Dimensions	Length	236±2mm
	Width	127±2mm
	Height up to Terminal	225±2mm
Fully Charged Battery	Electrolyte Specific Gravity at 27°C	1.260±0.005
	Battery Weight (with electrolyte)	12.30Kg.
Terminal Details	'T1'	
Lay Out Details	Left	

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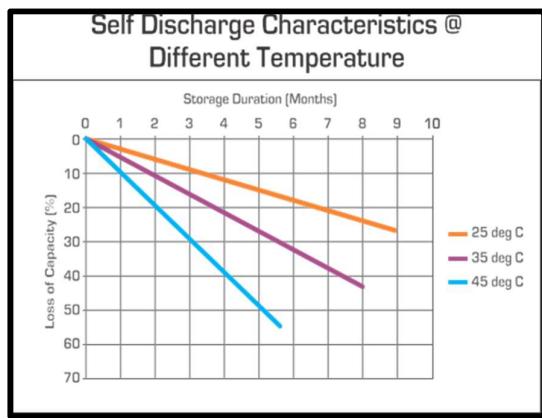
## BATTERY CHARGING

Model	MAS-MX45B24HD (L)	
Constant Current Charging (CC)	Maximum Charging current	4.5

## ELECTRICAL PERFORMANCE

Capacity at 27°C	20 Hour Rate (Ref.)	45Ah
	5 Hour Rate	36Ah
Reserve Capacity		70 Minutes
Cold Cranking Performance @ -18 deg.C		275A
Water Loss		< 0.9g/Ah

## Open circuit Voltage & Specific Gravity Vs SOC



State of Charge	Specific Gravity	Voltage
100%	1.260	12.7V
75%	1.225	12.4V
50%	1.190	12.1V
25%	1.155	12.0V
0%	1.120	11.8V

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