



AMARON<sup>®</sup>

LASTS LONG, REALLY LONG.



AMARA RAJA  
Gotta be a better way



# CHECK FOR SILVER INSIDE. GET A LONG LIFE.



# AMARON<sup>®</sup>

LASTS LONG, REALLY LONG.

- LONG LIFE ■ HIGHEST CRANKING POWER
- ZERO MAINTENANCE ■ FACTORY FRESH

www.amaron.in



## Negative Terminal

A place where a current-conducting wire, the cathode, is attached.

## Positive Terminal

A place where a current-conducting wire, the anode, is attached.

## Vents

Components that allow gasses to exit the battery while retaining the electrolyte within the case. It can be permanently fixed to the cover or removable, depending on battery design.

## Charge Indicator

An instrument which shows the state of charge in a battery

## Intercell Weld / Connection

Connections between the straps of two cells, positive of one cell to the negative of the next.

## Cell Strap

Lead alloy castings that connect a number of same polarity plates together in a cell and carry current

## Cell

The basic electrochemical current-producing unit in a battery consisting of a set of positive plates, negative plates, electrolyte, separators and casing. There are six cells in a 12-volt lead-acid battery.

## Grids

A lead alloy framework that supports the active material of a battery plate and conducts current.

## Plates

Flat, typically rectangular components that contain the active material and a mechanical support structure called a grid, which also has an electrical function, carrying electrons to and from the active material. Plates are either positive or negative, depending on the active material they hold.

## **FEATURES FOR PASSENGER VEHICLES**

As a car enthusiast, you keep up with the latest developments in the automotive world. So, we don't need to tell you why today's technologically advanced cars need a battery that is technologically matched.

That's where Amaron makes the difference. Amaron batteries are equal to the task. So, with an Amaron battery under your hood, you know that your car, jeep or SUV will start without a problem.

## **FEATURES FOR HEAVY-DUTY COMMERCIAL VEHICLES**

Your commercial vehicles have to work as hard as you do. In a vast country like India, your vehicle has to undergo extreme conditions, from the harshest of terrains, to extremes of heat and cold. Add to this a host of other hardships like dust and monsoons, and you need a battery that can meet the challenges.

With Amaron's technologically advanced zero-maintenance, long-lasting batteries, you can be sure that they will go the distance, and never let you down, no matter what the conditions.

### **Our Differentiators:**

- ⊕ High Cranking Power
- ⊕ Zero-Maintenance
- ⊕ High Heat Tolerance
- ⊕ Vibration Resistance
- ⊕ Improved Safety
- ⊕ Long Life
- ⊕ Highest Reserve Capacity
- ⊕ Factory Charged - Ready to Use

## TECHNICAL SPECIFICATIONS FOR AMARON CAR BATTERIES

BATTERY TYPES AND NOMENCLATURE												
Battery Type		Specifications				Dimensions in mm			Layer Quantity	Units per pallet in 4 layers		10 pallets in 20 FCL
AMARON Part Number	OLD JIS Designation	AH @ C20	AH @ C5	CCA @ -18°C Amps	RC in mins	L	B	TH		Nos	MT+/-0.1T	
<b>AMARON PRO</b>												
50B19R/L		40	32	370	55	187	127	227	40	160	1.91	1600
65B24R/L	NX100-S6PMF/LPMF	50	40	420	80	238	129	227	32	128	1.87	1280
65B24RS/LS	NX100-S6PMF/LPMF	50	40	420	80	238	129	227	32	128	1.87	1280
90D23R/L/BH		65	52	560	114	232	173	225	24	96	1.85	960
100D26R/L/BH	NX110-5MF/LMF	70	56	620	128	260	173	225	24	96	2.02	960
110D26R/L/BH		80	64	670	150	260	173	225	24	96	2.01	960
125D31R/L/BH		95	76	775	165	306	173	225	18	72	1.84	720
<b>AMARON HILIFE</b>												
46B19R/L		35	28	330	52	187	127	227	40	160	1.76	1600
42B20R/L/BH	NS40ZMF/ZLMF	35	28	335	55	197	129	227	40	160	1.83	1600
42B20RS/LS	NS40ZSMF/ZLSMF	35	28	335	55	197	129	227	40	160	1.84	1600
55B24R/L	NS60PMF/LPMF	45	36	380	75	238	129	227	32	128	1.79	1280
55B24RS/LS	NS60SPMF/LSPMF	45	36	380	75	238	129	227	32	128	1.80	1280
70D20R/L/BH		45	36	420	100	202	173	225	25	100	1.59	1000
85D23R/L/BH	85BR60K/85B60K	60	48	550	110	232	173	225	24	96	1.77	960
65D26R/L/BH	N50PMF/LPMF	50	40	420	90	260	173	225	24	96	1.68	960
80D26R/L/BH	N50ZPMF/ZLPMF	60	48	500	110	260	173	225	24	96	1.87	960
95D26R/L/BH	NS70MF/LMF	65	52	600	115	260	173	225	24	96	1.94	960
105D31R/L/BH	NX120-7MF/LPMF	80	64	670	160	306	173	225	18	72	1.72	720
115D31R/L/BH		90	72	750	160	306	173	225	18	72	1.84	720
<b>AMARON GO</b>												
34B19R/L		32	27	240	38	187	129	227	40	160	1.68	1600
38B20R/L		35	28	265	43	197	129	227	40	160	1.76	1600
46B24R/L		45	36	295	56	238	129	227	32	128	1.56	1280
46B24RS/LS		45	36	295	56	238	129	227	32	128	1.58	1280
55D23R/L/BH		60	48	320	74	232	173	225	24	96	1.69	960
75D26R/L/BH		60	48	450	98	260	173	225	24	96	1.73	960
95D31R/L/BH	N70PMF/LPMF	70	56	600	125	306	173	225	18	72	1.67	720
<b>AMARON PRO DIN</b>												
Din 45	545106036	45	36	365	76	207	175	175	25	100	1.35	1000
Din 50	550154045	50	40	450	86	207	175	190	25	100	1.55	1000
Din 55	555112050	55	44	500	103	242	175	190	20	80	1.50	800
Din 55	555155050	55	44	500	95	242	175	175	20	80	1.46	800
Din 60	560170055	60	48	550	109	242	175	175	20	80	1.50	800
Din 65	565106590	65	52	590	115	278	175	175	15	60	1.26	600
Din 66	566112061	66	53	610	121	242	175	190	20	80	1.54	800
Din 74	574102069	74	59	690	131	278	175	190	15	60	1.30	600
Din 80	580122073	80	64	730	143	315	175	175	15	60	1.45	600
Din 90	590109080	90	72	800	162	353	175	190	15	60	1.50	600
Din 100	600109090	100	80	900	181	353	175	190	15	60	1.69	600
<b>AMARON EFB</b>												
EFB Q85 (90D23L)		65		600		232	173	225				
EFB S95 (105D26L)		72		650		260	173	225				
EFB L3 (DIN74L)		70		620		278	175	190				
EFB T110 (130D31L)		95		800		306	173	225				



## START-STOP AUTOMOTIVE BATTERY (EFB)

### Product Features:

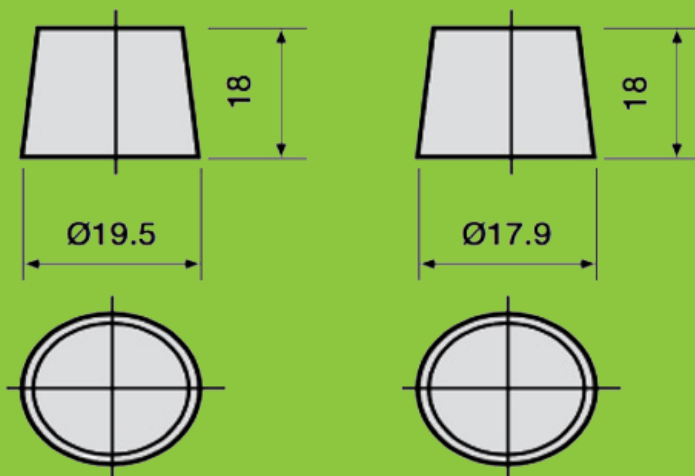
- ⊕ **Designed for Start-Stop Cars**  
针对启停系统汽车设计
- ⊕ **Low Self-Discharge**  
低自行放电率
- ⊕ **Improve Fuel Efficiency**  
节省燃料
- ⊕ **High Start Performance**  
高启动性能
- ⊕ **CO<sub>2</sub> Reduction**  
减少二氧化碳

Start-Stop is a device that turns off the engine when a vehicle makes a stop during driving. The internal combustion engine automatically shuts down and restarts to reduce the amount of time the engine spends idling, therefore, improving fuel economy and reducing emissions.

### Terminal Types and Layout:

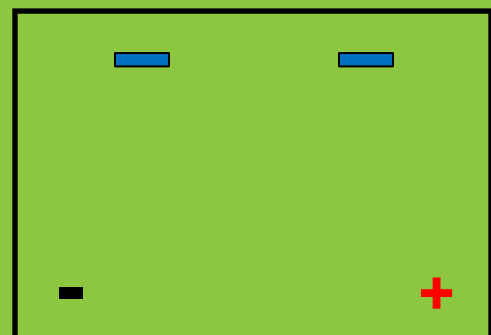
**T1** Terminal Type

Standard DIN Post



Positive Terminal

Negative Terminal





# CORE VALUES

Amara Raja is a symphony of diverse elements coming together and moving forward in perfect harmony. These five colors come together as a swirling mass to form a dynamic circle of unparalleled energy. The new form of energy is a reflection of Amara Raja, an emblem of everything that defines.

## INNOVATION

Innovation to us is proactively rebelling for better ways of doing things leading to newer possibilities.

Element: Space

Mind State: Synthesising

## EXCELLENCE

Excellence to us is continually enhancing our performance to consistently produce outstanding results with lasting impact.

Element: Wind

Mind State: Disciplined

## ENTREPRENEURSHIP

Entrepreneurship to us is leading with courage and conviction to convert gaps into opportunities, create wealth and contribute to growth.

Element: Fire

Mind State: Creative

## EXPERIENCES

Experiences to us are what we create for our stakeholders which make them feel part of something special, leading to endearing relationships

Element: Water

Mind State: Spiritual

## RESPONSIBILITY

Responsibility to us is the total ownership of our thoughts and actions in every situation to achieve maximum common good in the best interest of Environment, Society, Customer, Supplier, Employee and Shareholders

Element: Earth

Mind State: Respectful & Ethical

## VISION 2025

Through the Amara Raja and through enduring progressive partnerships we will be a Global Leader in Batteries and Battery Technologies and a dominant player in the Indian Ocean Rim.