

"Led by TECHNOLOGY  
powered by PEOPLE"



**JAYACHANDRAN  
INDUSTRIES (P) LTD**

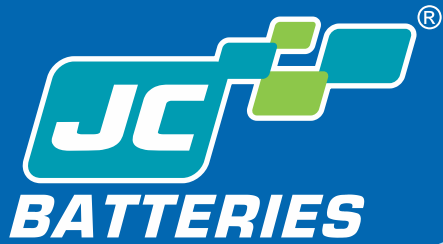


LEAD & BATTERY INDUSTRY

Automotive batteries ● UPS batteries ● Solar batteries  
SMF VRLA batteries ● E-Rickshaw batteries



ISO 9001 • ISO 14001 • ISO 45001



LEAD & BATTERY INDUSTRY

We are an ISO 9001 (Quality Management System), ISO 14001 (Environment Management System) & ISO 45001 (Occupational Health & Safety Management System) certified company and one of the fastest growing manufacturers and exporters of Automotive Batteries, UPS / Inverter Batteries, Tubular Batteries, SMF VRLA Batteries & E-Rickshaw Batteries.

Our well built facility is located in Coimbatore, Tamilnadu, INDIA with current annual production capacity of **1 million batteries per year**. The facility is built on a 4,35,600 SQ FT (40,470 SQ MT which is equivalent to 10 Acres) land to accommodate future expansion of up to **10 million** batteries per year.

We have more than **38 years** of experience in battery & lead (metal) business. With over **1000 employees**, JC group's current sales turnover in lead & battery business is about **1200 crores/year** (Approximately: **140 million USD/year**).



# Vision & Mission



To be among the top battery manufacturers in India by 2030 with significant presence in the global market.



To create a world class product with best value for money.

To create economic value addition for all our stake holders of the company including suppliers, customers, employees & society as a whole.

To play our role as responsible caretakers of environment, human development & global welfare.

## Employees

Happy Employees are the key to success.

A healthy employee is vital for sustainable social and economic development on a industry. At JC, the workplaces are designed according to good principles of health, safety and ergonomics which leads to sustainibility and productivity.

Team work being a backbone of any successful organization, our employees are recruited with the aptitude for and leaning towards team work.



## Certifications

**ISO 9001:2015**  
(Quality Management System)

**ISO 14001:2015**  
(Environmental Management System)

**ISO 45001:2018**  
(Occupational Health and Safety Management System)





# Our Journey



First Lead smelting company, **EMI Unit I** Mangalore, INDIA



Expanded 2nd Lead Smelting & Refining Company at **EMI Unit II** Mangalore, INDIA

Traders of ferrous & non ferrous metals. Tamilnadu & Karnataka

1970

Early 1980's

1987

Early 1990's

2005

2006

2009

2010

2011

2016

2023



3rd Lead Smelting, Refining & Alloying unit **JC Alloys**, Coimbatore, INDIA



Started **MMR Materials Recycling Unit** in Mangalore, INDIA (Recycling of E-waste, Plastics & Non-ferrous metals)



Started **AMR Aluminium Alloys Unit** in Bengaluru, INDIA



**JC Alloys** new Lead Unit in SIPCOT, Perundurai, INDIA



Commenced **JC Battery** production unit Coimbatore, INDIA



Started Plastic recycling unit. **JC Plastics** in Coimbatore, INDIA

Diversified to trading batteries & battery spare parts.

Expanded battery trading network in South India

# Management Team

## C. Bharanikumar

Co-founder & Managing Director

**Experience:**

- 17 years in Metals, Battery & Plastic Industry.
- 5 years in Software Industry, USA.

**Qualification:** BE- ECE degree from KCT, India;  
MS - Applied Mathematics from MSU, USA



## A. Sabarinathan

Director

**Experience:**

- 20 years in Metals, Battery & Plastic Industry.
- 1 year in Operations, Nokia - Germany.

**Qualification:** BE- EEE degree from BITS, India;  
MS - Electrical from ULM, Germany

## C. Pradeep

Director

**Experience:** 20 Years in Metals, Battery & Plastic Industry.

**Qualification:** BSc degree from PSG, India;  
MBA from GRD, India

## C. Prasath

Director

**Experience:** 20 years in Metals, Battery & Plastic Industry.

**Qualification:** BE- ECE degree from PSG, India;  
MBA from Bradford School of Management, UK

## A. Hari

Director

**Experience:** 10 Years in Metals, Battery & Plastic Industry.

**Qualification:** BE-IT degree from KCT, India;  
MBA, UK

## A. Nithin

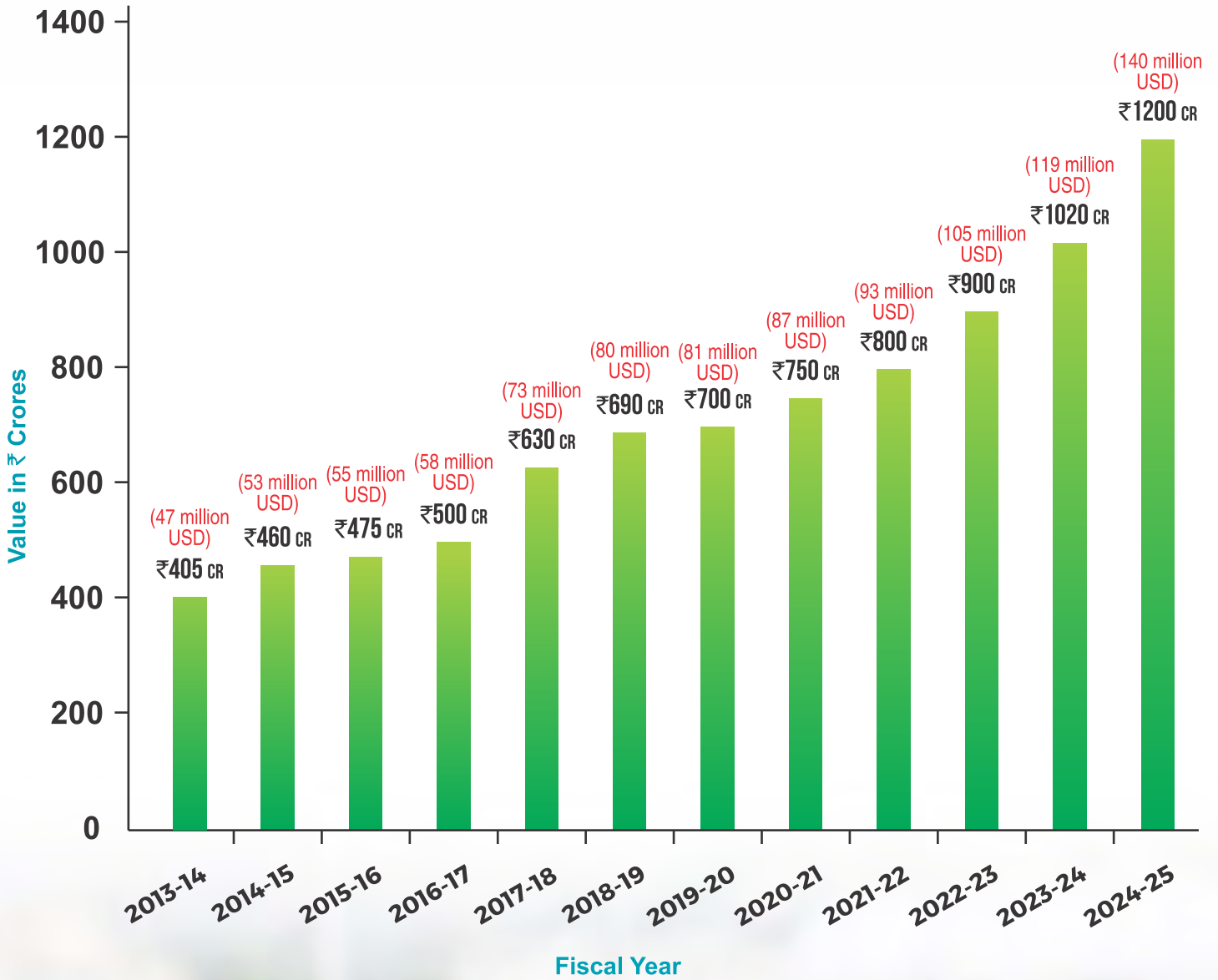
Director

**Experience:** 8 years in Metals, Battery & Plastic Industry.

**Qualification:** B.E Civil Engineering from CIT, India;  
Master of Management from University of Sydney, Australia



# Sales Turnover in our LEAD & BATTERY DIVISION



# Quality & Testing Standards

At JC Industries, Quality is accomplished by better management of design, engineering & testing.

Quality assurance is carried out by systematic monitoring and evaluation of various aspects at every stage of process involved in the production operations. Strict quality control procedures are followed in our manufacturing process. Indian and International testing standards (Japanese & German) are strictly followed at JC.

“ **Customer Satisfaction**  
is a measure of  
**quality product & service.** ”

- Approved by TNPCB (Tamil Nadu Pollution Control Board)
- Elemental composition in Pure Lead & Lead Alloys are detected using **Optical Emission Spectrometer (O.E.S.)**
- Elemental composition in Grey Oxide & Red Lead are detected using **Atomic Absorption Spectrometer (A.A.S.)**
- Tubular batteries are certified by following bodies:
  - ♦ **CECRI** (Central Electrochemical Research Institute, Karaikudi)
  - ♦ **MNRE** (Ministry of New & Renewable Energy, New Delhi)
- Flat Plate Inverter batteries are tested as per IS6304 standard
- Tubular batteries are tested as per IS13369, IEC60896 & IEC61427 standards
- Solar batteries are tested as per IS13369, IEC60896 & IEC61427 standards
- Automotive batteries are tested as per IS14257, Japanese JISD5301, SAEJ537 & DIN standards
- E-vehicle batteries are tested as per AIS048 standard and certified by **ARAI** (Automotive Research Association of India, Pune)
- SMF VRLA batteries are tested as per IS15549, JISC8702 & IEC60896 standards and certified by **CPRI** as per IEC60896 Standard (Central Power Research Institute, Bangalore)

Atomic Absorption Spectrometer (A.A.S.)



Optical Emission Spectrometer (O.E.S.)



# Battery Production Unit



The major value creator of an organization is its infrastructure.

The infrastructure is designed and developed after thorough analysis and consulting with highly qualified technicians and engineers, making it one of the best production units. Thus, it enables us to deliver high quality Automotive and Stationary batteries.

The infrastructure is equipped with sophisticated machinery and latest Technology supporting consistency in production without bottle necks in achieving our goal.

A team of well trained and experienced professionals make our operation successful.

## Infrastructure

# Lead Alloy & Lead Oxide Unit







Battery Production Section



Battery Charging Section

Oxide Mill



Grey Oxide



Red Lead



Pressure Die-Cast (PDC) Machine



Automatic Grid Casting Machine



Curing Section



AGM Stacking Machine



Pasting Section



Battery Assembly Section

Discover the ultimate and perfect power with JC Batteries - your trusted source for high-performance automotive batteries. Our extensive JIS and DIN range caters to cars, autos and trucks, ensuring reliable and efficient operation.

- Cutting Edge Technology
- Maintenance Free Excellence
- Durable Design
- Optimized Active Material Formulation
- Enhanced Cranking Ability
- Built For Tough Conditions
- Improved Reserve Capacity
- Lower Self Discharge

## Product Ranges

### Force Series

Battery Type (12 V)	Capacity	Dimensions (in mm)
JCFC-NS40R	32Ah	195 x 130 x 225
JCFC-NS40L	32Ah	195 x 130 x 225
JCFC-NS40ZR	35Ah	195 x 130 x 225
JCFC-NS40ZL	35Ah	195 x 130 x 225
JCFC-N550R	50Ah	260 x 170 x 227
JCFC-N550L	50Ah	260 x 170 x 227
JCFC-N600R	60Ah	260 x 170 x 227
JCFC-N600L	60Ah	260 x 170 x 227
JCFC-N700R	65Ah	260 x 170 x 227
JCFC-N700L	65Ah	260 x 170 x 227
JCFC-N750R	75Ah	305 x 170 x 227
JCFC-N88	88Ah	410 x 174 x 239

### Cruise Series

Battery Type (12 V)	Capacity	Dimensions (in mm)
JCCZ-NS40ZR	35Ah	195 x 130 x 225
JCCZ-NS40ZL	35Ah	195 x 130 x 225
JCCZ-NS60L	45Ah	238 x 126 x 228
JCCZ-N700R	65Ah	260 x 170 x 227
JCCZ-N700L	65Ah	260 x 170 x 227
JCCZ-N800R	80Ah	305 x 170 x 227
JCCZ-N88	88Ah	410 x 174 x 239
JCCZ-N100	100Ah	410 x 174 x 239
JCCZ-N130	130Ah	510 x 182 x 235
JCCZ-N150	150Ah	505 x 220 x 235
JCCZ-N180	180Ah	518 x 275 x 240

### Drive (DIN) Series

Battery Type (12 V)	Capacity	Dimensions (in mm)
JCDR-DIN44	44Ah	210 x 175 x 175
JCDR-DIN50	50Ah	210 x 175 x 175
JCDR-DIN65	65Ah	275 x 175 x 190

### Cruise Xtra Series

Battery Type (12 V)	Capacity	Dimensions (in mm)
JCCZX-N88	88Ah	410 x 174 x 239
JCCZX-N100	100Ah	410 x 174 x 239
JCCZX-N130	130Ah	510 x 182 x 235
JCCZX-N150	150Ah	505 x 220 x 235

Note: Tolerance for dimension is +/- 5mm. Specifications are subject to change without prior notice.

## Ultra low & Sealed Maintenance Free Batteries



# UPS Batteries

Unlock a new level of packed power with JC Tubular Batteries, meticulously designed with robust Tubular Technology. Our commitment to excellence ensures a battery that goes a distance, providing reliable power when you need it most.

- Robust Tubular plate Technology
- Superior Charge Acceptance
- Trusted Design
- Higher Efficiency
- Very Low Maintenance
- Life cycle Excellence

## Product Ranges

Battery Type (12V)	Capacity	Overall Dimension(mm)		
		L	W	H
<b>JC Tubular</b>				
JCT-40	40Ah	305	170	240
JCT-60	60Ah	410	174	255
JCT-80	80Ah	518	275	255
JCT-100	100Ah	518	275	255
<b>JC Tall Tubular</b>				
JCTT-150	150Ah	503	190	418
JCTT-200	200Ah	503	190	418
<b>JC Mass</b>				
JCM-50	50Ah	303	171	240
JCM-70	70Ah	410	173	233
JCM-100	100Ah	510	183	255
JCM-150	150Ah	505	220	255
JCM-200	200Ah	518	275	255

Note: Tolerance for dimension is +/- 5mm. Specifications are subject to change without prior notice.

## Applications

- UPS / Inverter
- Online UPS Systems
- Solar Power Plants
- Solar Home Lighting
- Solar Street Lighting
- Power backup Industries



# SMF VRLA Batteries



Unleash the potential of cutting-edge Valve Regulated Lead Acid Battery Technology with JC SMF batteries. Engineered for peak performance and reliability, our batteries are designed to meet the demands of modern power and energy applications.

- Calcium-High Tin Technology
- Absorptive Glass Mat (AGM) Separator
- Compressed Design
- Safety Valves
- ABS components
- Lower Self discharge
- Spill-Proof Assurance

Technical parameters of JC SMF VRLA Batteries

Battery	Capacity	Volts	Product Overall Dimension(mm)		
			L	W	H
JCSMFVRLA6-4.5	4.5 Ah	6	71	48	105
JCSMFVRLA6-5	5 Ah	6	71	48	105
JCSMFVRLA12-4.5	4.5 Ah	12	90	70	105
JCSMFVRLA12-7	7 Ah	12	151	65	100
JCSMFVRLA12-7.5	7.5 Ah	12	151	65	100
JCSMFVRLA12-9	9 Ah	12	151	65	100
JCSMFVRLA12-12	12 Ah	12	153	99	105
JCSMFVRLA12-18	18 Ah	12	180	75	165
JCSMFVRLA12-26	26 Ah	12	165	175	126
JCSMFVRLA12-42	42 Ah	12	195	165	175
JCSMFVRLA12-65	65 Ah	12	347	167	175
JCSMFVRLA12-75	75 Ah	12	347	167	175
JCSMFVRLA12-85	85 Ah	12	330	174	230
JCSMFVRLA12-100	100 Ah	12	330	174	230
JCSMFVRLA12-120	120 Ah	12	408	172	240
JCSMFVRLA12-150	150 Ah	12	485	170	240
JCSMFVRLA12-200	200 Ah	12	510	235	230

Note: Tolerance for dimension is +/- 5mm. Specifications are subject to change without prior notice.

## AGM VRLA TECHNOLOGY



ZERO MAINTENANCE



ZERO SPILLAGE



LONGER BACKUP



# E-Rickshaw Batteries



Technical parameters of JC E-rickshaw batteries

Battery Type (12V)	Capacity	Product Overall Dimension(mm)			Applications
		L	W	H	
JCER-100 (FLAT PLATE)	100Ah	410	174	255	E-rickshaw Vehicles
JCER-120 (FLAT PLATE)	120Ah	410	174	290	
JCERT-100 (TUBULAR)	100Ah	410	174	290	
JCERT-120 (TUBULAR)	120Ah	410	174	290	

Note: Tolerance for dimension is +/- 5mm. Specifications are subject to change without prior notice.

## Product Features

- Robust grid design with fine grain structure
- Advanced paste formulation
- With superior charge acceptance characteristics
- Faster recharge with E-Rickshaw chargers
- Low maintenance batteries
- Heat sealed PP containers
- Vibration resistant
- Instant start & trouble-free performance
- Specially designed vent plugs for reduced water top-up frequency
- Factory-charged batteries



**ARAI** Certified  
 Progress through Research  
 Tested as per AIS-048 standards

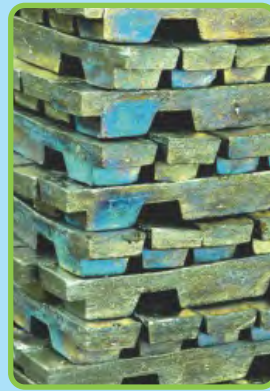
## Our Network



## Group Companies



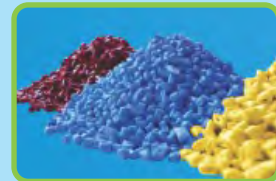
**ESWARI GLOBAL METAL INDUSTRIES (P) LTD**  
(Manufacturers of Pure Lead & Lead Alloys)  
[www.emimetals.com](http://www.emimetals.com)



**JAYACHANDRAN ALLOYS (P) LTD**  
(Manufacturers of Lead Alloys & Lead Oxide)  
[www.jcalloys.com](http://www.jcalloys.com)



**JAYACHANDRAN PLASTICS LLP**  
(Manufacturers of Plastic Granules & Products)  
[www.jcplastics.net](http://www.jcplastics.net)



**MOOGAMBIGAI MATERIALS RECYCLING (INDIA) (P) LTD**  
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## **JAYACHANDRAN INDUSTRIES (P) LTD.**

Office / Factory : #219/2A1, Telungupalayam Road, Ellapalayam Post, Pogalur Via, Annur,  
Coimbatore - 641697, Tamilnadu, INDIA.

Mob: +91 77089 02222 | Email: [info@jcbattery.net](mailto:info@jcbattery.net)

[www.jcbattery.net](http://www.jcbattery.net)