

"Led by TECHNOLOGY
powered by PEOPLE"



**JAYACHANDRAN
INDUSTRIES (P) LTD**

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



ISO 9001 ● ISO 14001 ● ISO 45001

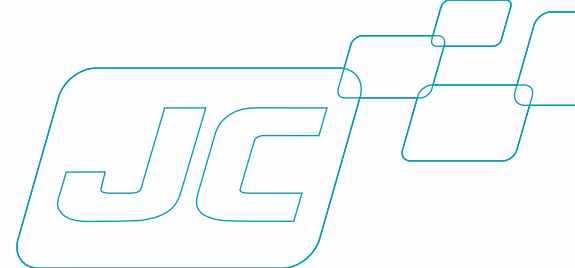


We are an **ISO 9001:2015** (Quality Management System), **ISO 14001:2015** (Environmental Management System), and **ISO 45001:2018** (Occupational Health & Safety Management System) certified company engaged in the manufacturing of a comprehensive range of Automotive Batteries, Flat Plate Inverter Batteries, Solar & UPS Tubular Batteries, SMF VRLA Batteries and E-Rickshaw Batteries.

Incorporated in 2009, our company is backed by over **39 years of experience** in the lead and battery industry through the expertise of our founders and management team. With a dedicated workforce of more than **200 employees**, we combine decades of industry knowledge with advanced manufacturing practices to deliver high-performance energy storage solutions to customers across domestic and international markets.

Our state-of-the-art manufacturing facility is strategically located in Coimbatore, Tamil Nadu, India, with a current installed annual production capacity of 1 million batteries. The facility is spread across **407,286 sq. ft. (37,838 sq. m.)**, equivalent to approximately **9.35 acres**, and has been designed to support future expansion of manufacturing capacity up to **5 million batteries per annum**, enabling us to meet growing market demand.

Driven by a strong commitment to quality, continuous improvement, technological innovation, environmental sustainability, and occupational health and safety, we consistently strive to deliver reliable, high-performance products that meet the evolving requirements of our customers. Our focus on operational excellence, customer satisfaction, and sustainable manufacturing practices positions us as a trusted partner in the energy storage industry.



C. Bharanikumar

Managing Director

Experience:

With over 20 years of professional experience across the software, recycling, and manufacturing sectors.

Qualification:

BE - ECE from KCT, India;
Master of Science from MSU, USA

At Jayachandran Industries Private Ltd., our mission is to power progress through innovative and reliable energy solutions. From automotive batteries that drive mobility to stationary batteries that support diverse energy applications, our products embody our core values of quality, integrity and sustainability.

Our greatest strength lies in our dedicated team, whose aligned vision and relentless pursuit of excellence fuel our growth. Together, we are committed to delivering trusted solutions, embracing innovation, and contributing to a greener future.



Core Team



R. Venkatachalam

Chief Operating Officer & Chief Financial Officer

Experience:

23 years of professional experience in Battery and Textile industries.

Qualification:

BE - ECE from KCT, India;
MS - Electrical Engineering from MSTU, USA;
MBA - Operations from ICFAI University, India.



S. Thangadurai

Chief Technology Officer

Experience:

36 years in Battery Industry (India & Overseas).
2 years dedicated research experience at CECRI, India.
Trained under Prof. Pavlov at the Bulgarian Academy of Sciences.

Qualification:

BSc - Chemistry from St. John's, India;
MSc - Industrial Electrochemistry from CECRI, India



D. Vinod

General Manager - Sales

Experience:

23 years of professional experience in Battery and Tyre industries.

Qualification:

BE - EEE from Sri Ramakrishna Engineering College, India.



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. Stringent quality control measures are consistently implemented and maintained at JC Industries to ensure the highest standards of product quality. In addition, applicable Indian and International testing standards are strictly followed.

- 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 AIS-048, IS 13369, IEC 60896-11 & IEC 61427-1 standards and certified by **ARAI** (Automotive Research Association of India)
- SMF VRLA batteries are tested as per IS15549, JISC8702 & IEC60896-2 standards and certified by **CPRI** as per IEC60896 Standard (Central Power Research Institute, India)



Battery Production Section



Battery Charging Section

Infrastructure

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.



Oxide Mill



Grey Oxide



Red Oxide



Pressure Die-Cast (PDC) Machine



Automatic Grid Casting Machine



Pasting Section



Curing Section



Battery Assembly Section



AGM Stacking Machine



VRLA COS Burning Station

Product Ranges



► Force Series

Automotive Batteries
Ranges starts from 12V/32Ah to 12V/88Ah



► Cruze Series

Automotive Batteries
Ranges starts from 12V/35Ah to 12V/200Ah



► Cruze Xtra Series

Automotive Batteries
Ranges starts from 12V/88Ah to 12V/150Ah



► Drive Series (DIN)

Automotive Batteries
Ranges starts from 12V/44Ah to 12V/65Ah



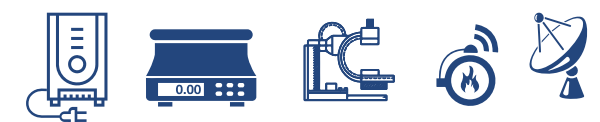
► Tubular Series

Tall Tubular Batteries
Ranges 12V/40Ah to 12V/200Ah



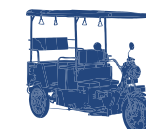
► VRLA Series

Sealed Maintenance Free Batteries
Ranges 6V/4.5Ah & 6V/5Ah
Ranges starts from 12V/4.5Ah to 12V/200Ah



► E-Rickshaw Series

E-rickshaw Batteries
Ranges 12V/100Ah & 12V/120Ah



Automotive Batteries



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

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-NS60LS	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-N800L	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
JCCZ-N200	200Ah	518 x 275 x 240

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
JCFC-N100	100Ah	410 x 174 x 239

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

Drive (DIN) Series

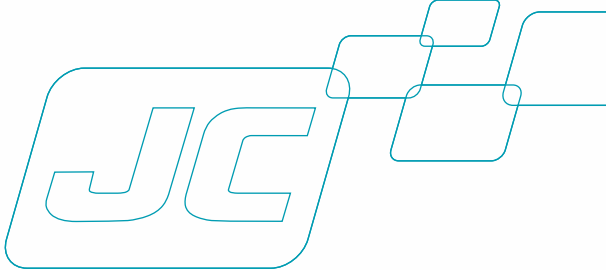
Battery Type (12 V)	Capacity	Dimensions (in mm)
JCDR-DIN44	44Ah	210 x 175 x 175
JCDR-DIN50	50Ah	210 x 175 x 175
JCDR-DIN65	65Ah	275 x 175 x 190

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

Ultra low Maintenance Batteries & 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
JC Tubular				
JCBT-40	40Ah	305	170	240
JCBT-60	60Ah	410	174	255
JCBT-80	80Ah	518	275	255
JCBT-100	100Ah	518	275	255
JC Tall Tubular				
JCBTT-150	150Ah	503	190	418
JCBTT-200	200Ah	503	190	418

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



HIGHER EFFICIENCY



LONGER LIFE



VERY LOW MAINTENANCE



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	72	48	105
JCSMFVRLA6-5	5 Ah	6	72	48	105
JCSMFVRLA12-4.5	4.5 Ah	12	72	96	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	151	100	105
JCSMFVRLA12-18	18 Ah	12	180	75	165
JCSMFVRLA12-26	26 Ah	12	165	155	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

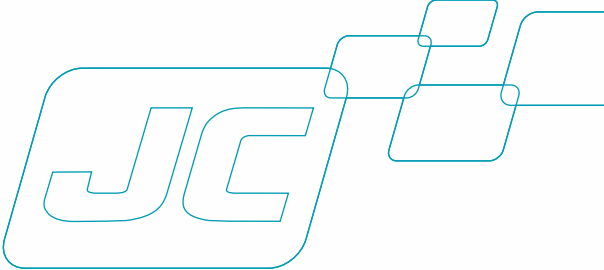


ZERO
SPILLAGE



LONGER
BACKUP

E-Rickshaw Batteries



Technical parameters of JC E-rickshaw Tubular batteries

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

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



Product Features

- Utilizes robust tubular technology with high-pressure die-casting, ensuring fine grain structure, strength & durability.
- Incorporates advanced paste formulation for enhanced dynamic charge acceptance.
- Features oxidation-resistant, micro-porous woven gauntlets with high porosity and low electrical resistance.
- Equipped with special ceramic vent plugs to minimize water top-up frequency and reduce acid fumes - supporting eco-friendly applications.
- Engineered for enhanced mileage.
- Exhibits very low self-discharge rate.
- Offers high-charge efficiency.
- Ensures extended battery life with superior endurance cycles.
- Complies with AIS-048, IS 13369, IEC 60896-11, and IEC 61427-1 standards.



EXPORTING TO
17 COUNTRIES

JC⁺
BATTERIES



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