INVERTED

Leading
Lithium-ion Battery
Manufacturer

PROUDLY MADE IN INDIA

D-28 & D-167 Noida, Sector-63
Uttar Pradesh, 201301, India

B-25 Noida, Sector-80
Uttar Pradesh, India

A Block, Ghilot Industrial Area,
Neermana, Rajasthan

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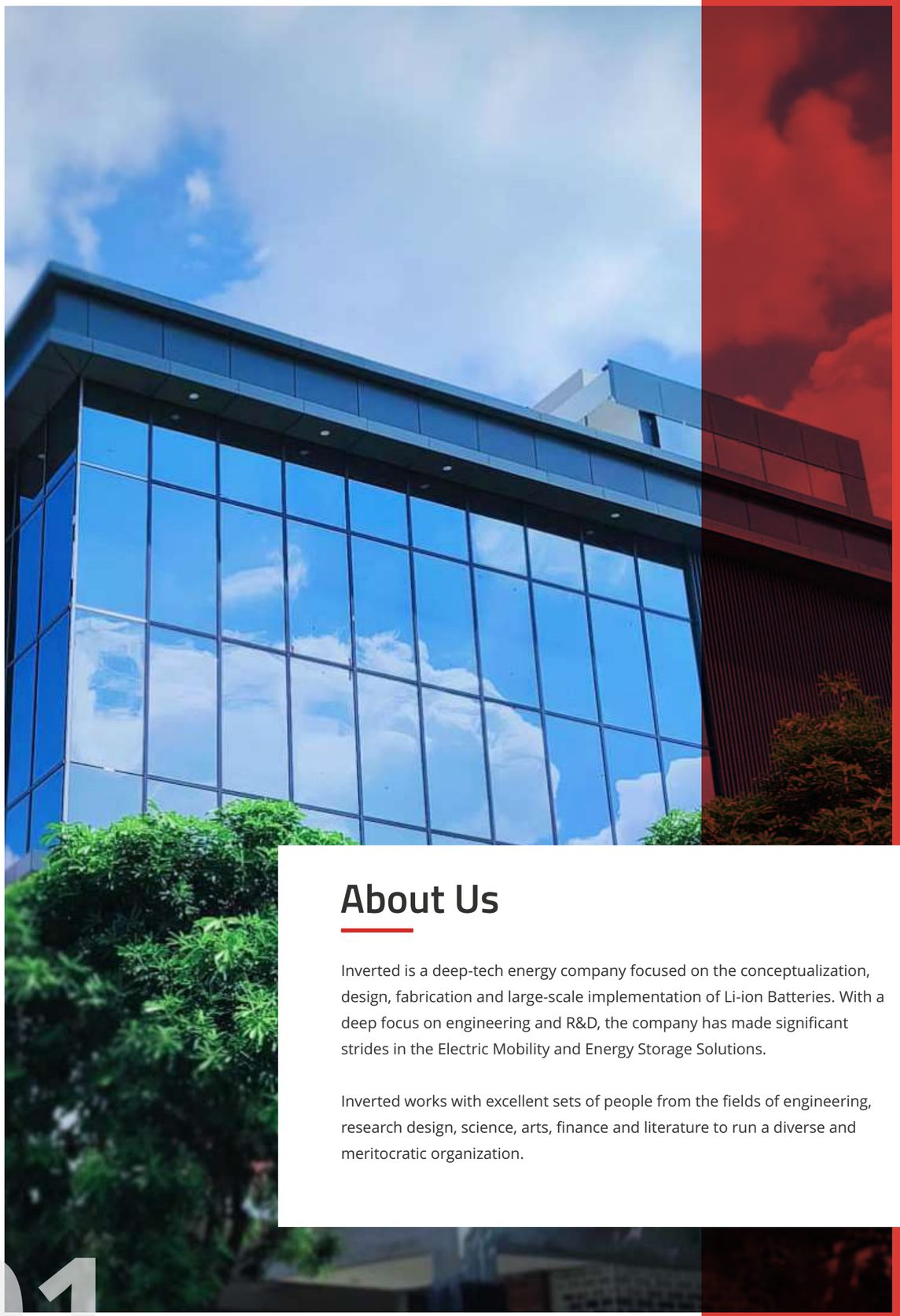


Our Journey

- **2017** Inverted started with a team of energy enthusiasts.
- **2018** Implementation of micro-grid with GE. Multiple residential & commercial institutions.
- **2019** We achieved our 100MWh goal in two years we successfully designed and tested 2W & 3W prototypes.
- **2020** Launched our in-house BMS-OJAS. Started large scale manufacturing facility.
- **2021** Shipped 5,000 smart batteries across India.
- **2022** Large scale smart battery delivered for mobility & storage across India.
- **2023** Installed world-class laser machine and advanced R&D equipment. Certified batteries with AIS 156 Phase 2 automation process.
- **2024** Launched Liquid cooled battery solution for mobility.
- **2025** Commissioned a manufacturing facility in Noida, established a 6.5 GWh plant in Ghilot, Rajasthan and launched BESS offerings.

Our Strength

Research & Development
Design Engineering
Simulations & Testing
Design Validation

Process Control
Quality Checks
Efficient Manufacturing
Safety Standards

Supply Chain
Logistics
Customer Management
Tele - Service

About Us

Inverted is a deep-tech energy company focused on the conceptualization, design, fabrication and large-scale implementation of Li-ion Batteries. With a deep focus on engineering and R&D, the company has made significant strides in the Electric Mobility and Energy Storage Solutions.

Inverted works with excellent sets of people from the fields of engineering, research design, science, arts, finance and literature to run a diverse and meritocratic organization.

Highlights

250+
Our Team

2
Patents Filed

3
Inhouse BMS Developed

600+
MWh Delivered
for Energy Storage

750+
MWh Delivered
for Mobility

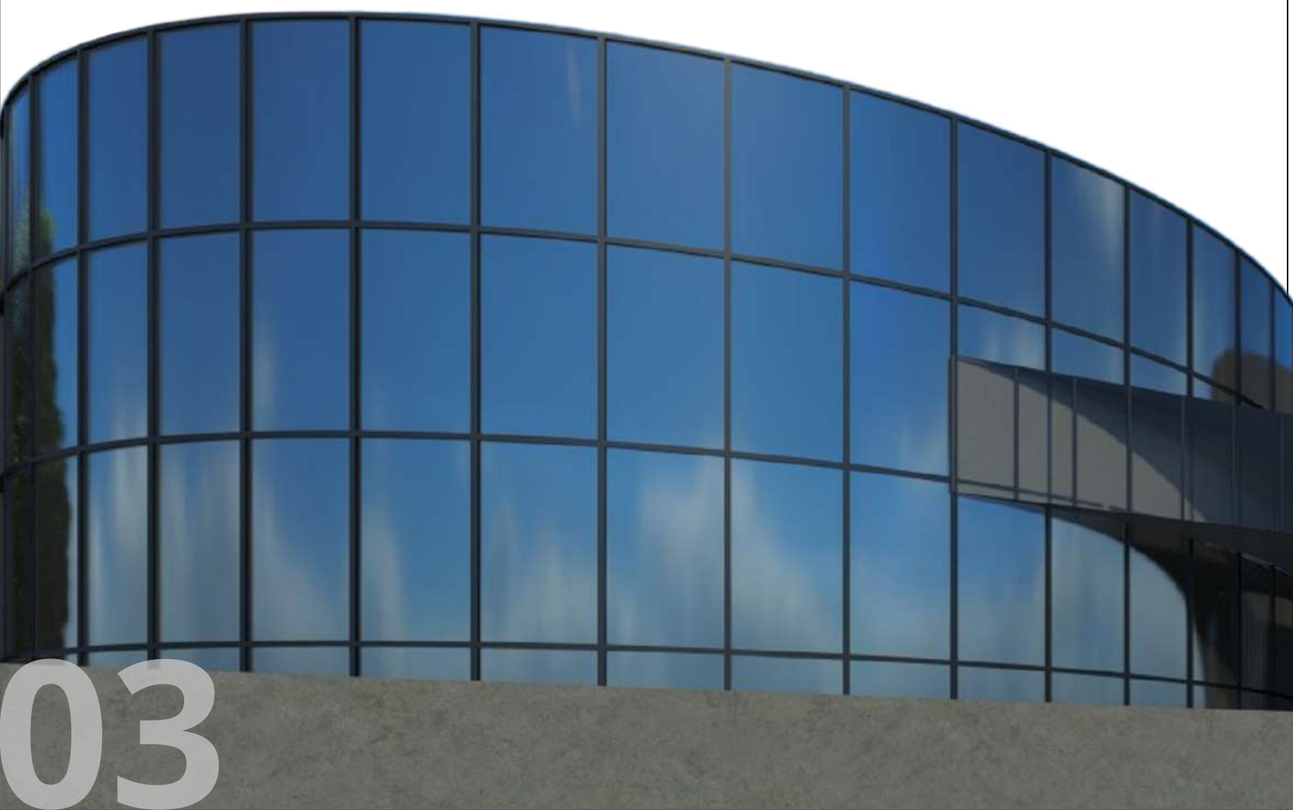
6+
Collaboration with top Indian Institute like IIT-BHU, IIT-D, NID

Infrastructure:
Installed capacity of 6.5 GWh

We operate 3 manufacturing facilities & a corporate office in Delhi NCR & a production plant in Rajasthan. Together, delivering a combined capacity of 6.5 Gwh.

Each facility is equipped with advanced automation, precision testing, and quality control systems, ensuring consistent performance across every battery pack. This infrastructure supports large-scale production and allows flexibility for customized solutions, reinforcing our commitment to powering India's energy future

Upcoming 4-Acre Production Plant, Ghilot, Rajasthan



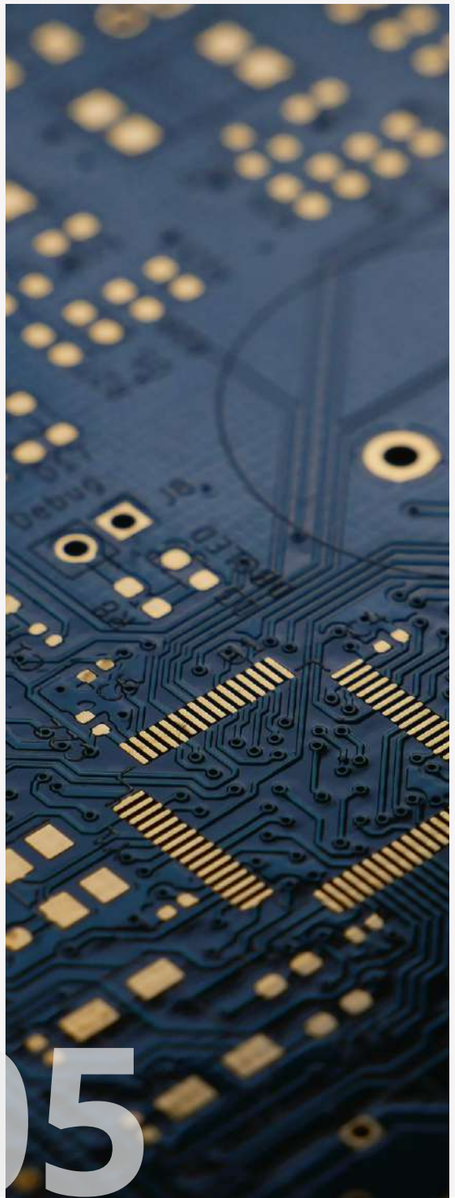
3 Manufacturing Facilites & Corporate Office

Delhi NCR Region

R & D

Our researchers and engineers are driven to create innovative solutions that are high in quality and performance. The Research & Development section is built on a unique combination of complex simulations, deep data science and rigorous field validations.

The team has been able to make significant advancement in in-house BMS, patented casing designs, innovative thermal management, integrated IoT platforms and many other engineering developments.



Design & Engineering

Inverted leverages cutting-edge scientific instruments and state-of the art methodologies to investigate complex problems and develop innovative solutions.

Through strategic collaborations with renowned institutions like IIT Delhi, IIT BHU, and other top-tier laboratories, the company gains privileged access to India's most advanced testing facilities. The extensive range of projects continuously elevates the knowledge and expertise of our dedicated teams, ensuring that we remain at the forefront of technological advancements in our field.

Testing & Validation

At the forefront of our lithium-ion battery manufacturing, our Testing and Simulation team is dedicated to ensuring the utmost reliability and durability in our product development process. We conduct rigorous mechanical, electrical, and thermal tests to guarantee superior performance and safety standards.

Leveraging advanced simulation techniques in Computational Fluid Dynamics (CFD) and Computer-Aided Engineering (CAE), we optimize battery designs and anticipate challenges, driving innovation while maintaining the highest quality standards.

Key Proficiency

- Problem Solving
- Agile Approach
- Creative Solutions

Mobility Solutions

Offering a variety of certified batteries such as two wheeler, three wheeler, L-5 batteries, we specialize in mobility solutions. Superior performance, dependability and safety are guaranteed with our AIS 156-certified batteries. Specifically engineered to optimize vehicle performance, they are furnished with cutting-edge technology for maximum efficiency. Embrace your vehicles with our batteries for more power and performance, ensuring a comfortable and effective ride.

PRISM

Our superior range of LFP batteries assist you in improving product performance and delivering better, future ready products.

Product Range

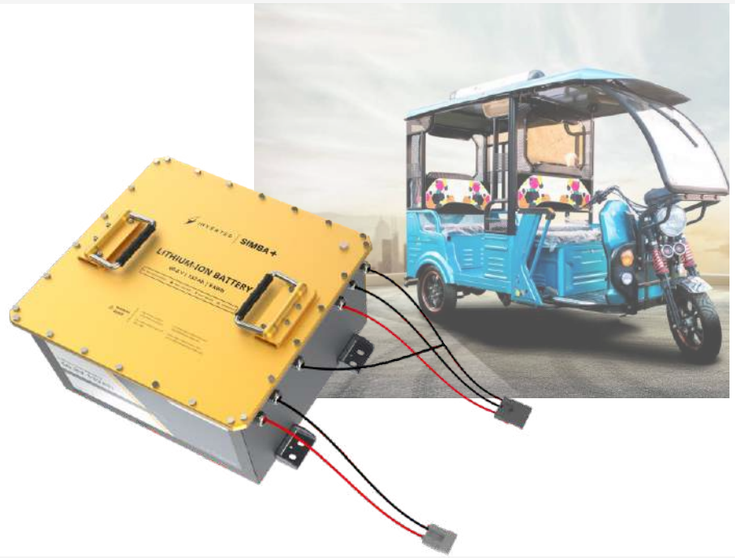
Smart Platform
51.2 V - 45 Ah
60 V - 45 Ah
and many more...

3Wheeler - SIMBA / SIMBA+

Our batteries are designed specifically to improve vehicle performance and range on harsh Indian conditions.

Product Range

Smart Platform
51.2 V - 105 / 132 Ah
60.8 V - 105 / 132 Ah
and many more...



EDGE

Our swappable NMC batteries ensure interoperability with 2W & 3W vehicles, offering a lightweight and user-friendly handling in diverse conditions.

Product Range

Smart Platform
50.4V 40Ah
51.2V 60Ah

L5 Battery - HORIZON

Our L5 batteries enhance product performance, offering reliable power and robust load- bearing capabilities for consistent performance.

Product Range

Smart Platform
51.2V 210Ah

AIS-156 Certified | IP-67 Battery Pack | Short circuit protection | Pressure Vent | Temperature Cut-off | Smart & Communicative

**Customization available as per requirements.*

NEW LAUNCH

Experience the future of transport with our new 3W and L5 models. The 3W offers unmatched agility and efficiency for urban travel and last-mile connectivity. For heavier duties, the L5 delivers enhanced power and extended range. Both models showcase our commitment to sustainable, robust, and high-quality mobility, providing the perfect vehicle to drive your business and life forward. Reliable, powerful, and ready to go!

3Wheeler - SIMBA+

Engineered for higher strength,faster response and longer life. Perfectly tuned for evolving demands of Indian roads.

Product Range

Smart Platform
51.2V 164 Ah
60.8V 164 Ah

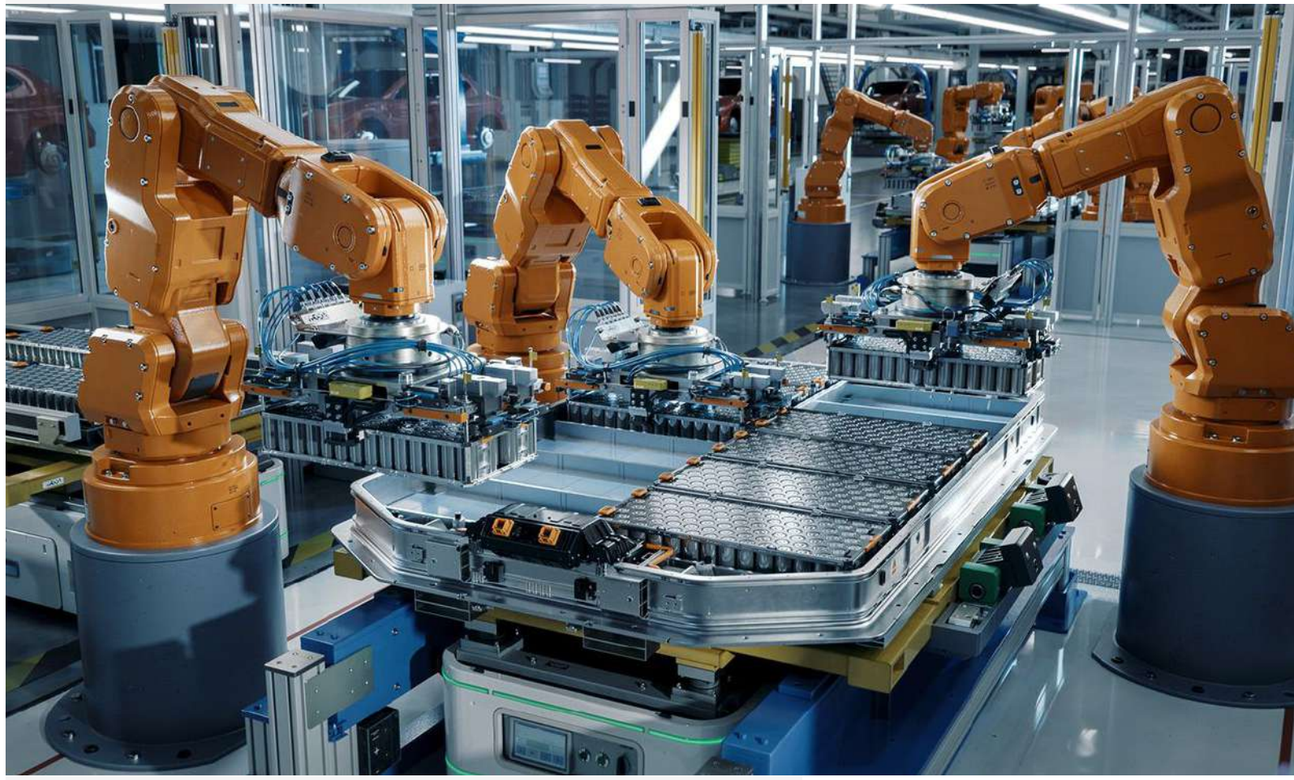
L5 Battery - HORIZON+

Designed for higher efficiency, this range delivers smooth, reliable power for improved performance.Its advanced build ensures stable output and long-lasting operation

Product Range

Smart Platform
64V 230Ah
72V 230Ah

Laser Welded Battery



Seamless Connections, Boundless Possibilities

At Inverted Energy Private Limited, we spearhead the industry with our cutting-edge laser welding technology, elevating precision in battery manufacturing. With a focus on precision, reliability, accuracy, and advancement, we redefine the landscape of energy solutions. Join us in embracing a future where our state-of-the-art batteries set the benchmark for excellence, providing a seamless blend of innovation and dependability.

Benefits

- Structural Integrity
- Superior uniformity
- Speed & Efficiency
- Precision & Accuracy

Energy Storage Solution

Specializing in energy storage solutions for commercial and residential sectors, our range includes batteries designed to reduce carbon footprints, and ensure reliable backup power. With a focus on promoting self-sufficiency during outages, our batteries are renowned for their reliability and seamless power backup. Engineered with top-notch build quality and attractive designs, they offer both functionality and aesthetic appeal, contributing to grid stability and lower bills.

ARRAY

Our batteries enhance energy security, cut costs, reduce carbon footprints and energy storage during outages.

Product Range

Smart Platform
48 V - 105Ah

COMMERCIAL

Commercial batteries are designed for reliable backup power, lower bills and grid stability support for a sustainable energy future.

Product Range

Smart Platform
48V 100Ah, 200Ah, 800Ah
96V 100Ah
240V 100Ah
320 V -100Ah and many more...

ATOM

Designed for essential daily needs, these compact units deliver stable, efficient power and reliable performance for household applications

Product Range

Smart Platform
12.8V 100Ah
25.6V 100Ah

TELECOM

Elevate telecom reliability with our advanced batteries, ensuring uninterrupted power supply and peak performance for seamless communication.

Product Range

Smart Platform
48V 800Ah

Alerts | CAN Enabled | Cell Protectio | Cell Balancing | Thermal Protection | Current & Voltage protection

**Customization available as per requirements.*

Certifications

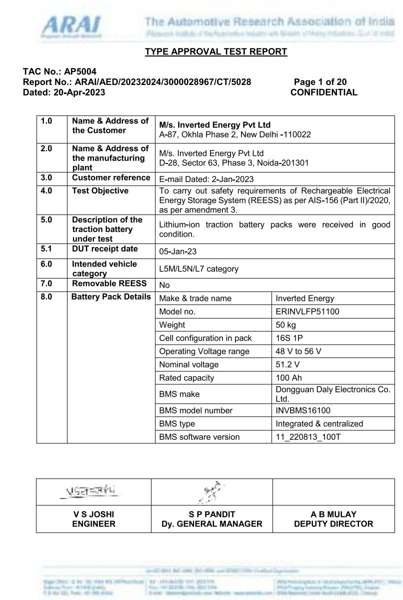
Our batteries have earned AIS 156 certification, signifying exceptional quality and performance. This reflects our steadfast dedication to meeting industry benchmarks. With this certification, customers can rely on the reliability and efficiency of our batteries, proven through rigorous testing. While many batteries are certified, we're working on more certifications to ensure top-notch performance. Stay tuned for updates as we remain committed to delivering quality and customer satisfaction.

72V 42Ah

60V 52Ah

51.8V 40Ah

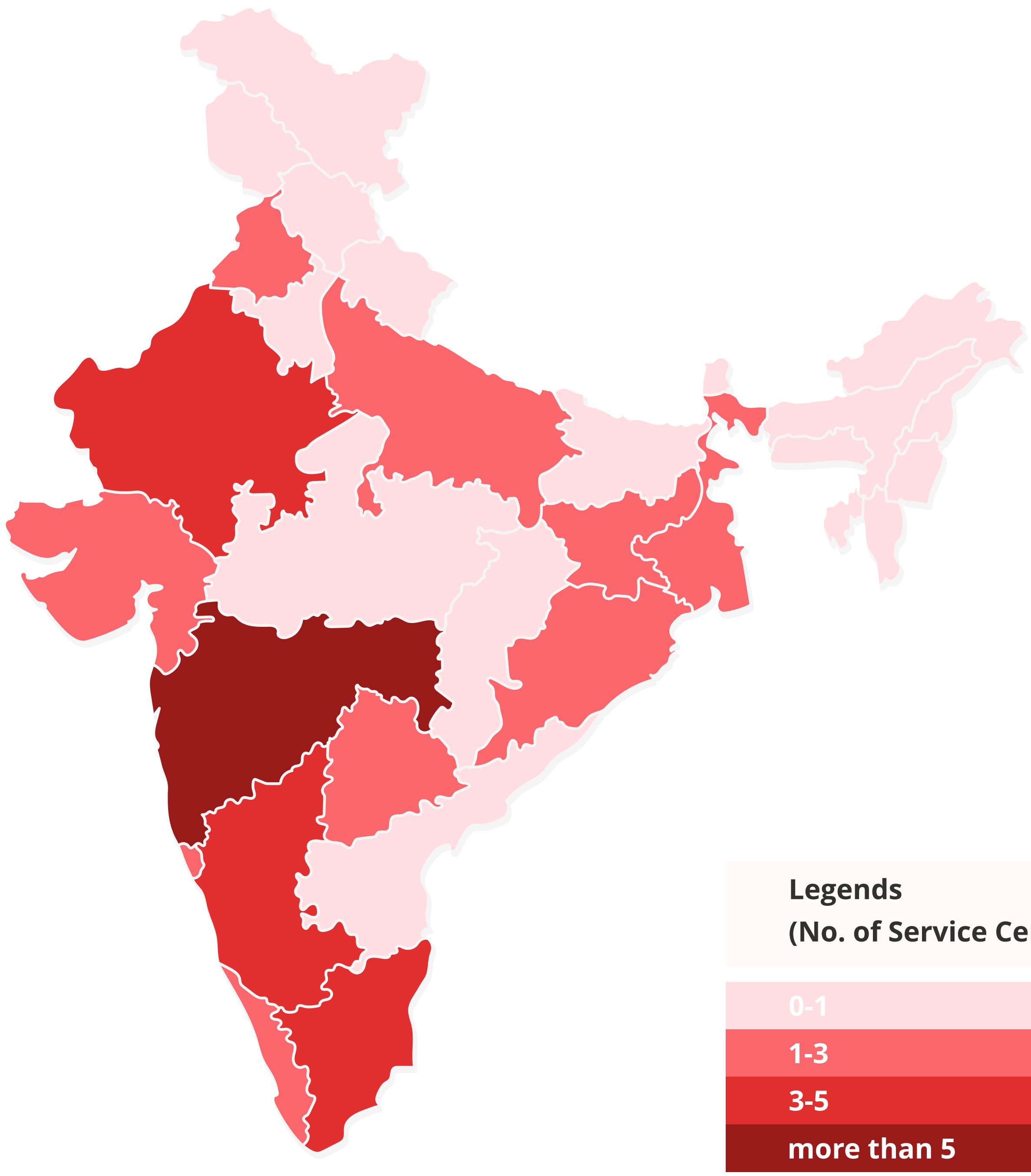
51.2V 200Ah



51.2V 100Ah

60V 40Ah

Service Network



Legends
(No. of Service Center)

- 0-1
- 1-3
- 3-5
- more than 5

Locations

Ahmedabad, Gujarat	Goa	Kolkata, West Bengal	Rourkela, Odisha
Agra, UP	Haveri, Karnataka	Ludhiana, Punjab	Salem, Tamil Nadu
Akola, Maharastra	Hosur, Tamil Nadu	Manday, Karnataka	Tiruvannamalai, Tamil Nadu
Amravati, Maharastra	Jaipur, Rajasthan	Malappuram, Kerala	Udaipur, Rajasthan
Bengaluru, Karnataka	Kolhapur, Maharastra	Palghar, Maharastra	Yavatmal, Maharastra
Bhuwaneshwar, Odisha	Kandivali, Maharastra	Pune, Maharastra	
Burdwan, West Bengal	Kalyan, Maharastra	Ranchi, Jharkhand	
Delhi (NCR)	Kondapur, Telangana	Rajsamand, Rajasthan	