



EMPOWERING FUTURE

**MECWIN
PROFILE**

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About Company

Mecwin is a leading manufacturer of advanced solar pumps, MPPT Controllers, PMSM motors, Fluid pumps, EV motors, Special Purpose Motors used in Medical, Defence, Aerospace. The company is dedicated to delivering innovative and reliable solutions that enhance the performance of energy systems and industrial applications. With a focus on sustainability and technological advancement, Mecwin serves a diverse range of industries including renewable energy, automation, agriculture, and industrial processing.



Our Vision

At Mecwin Technologies, we stand at the threshold of a profound mission – one that transcends mere corporate ambitions and resonates with the very essence of our existence. **Innovating for a Greener World: Unleashing Sustainable Possibilities,** is not just a statement; it's a resounding call to action, a promise to the planet, and an unwavering commitment to the future.

Mission

"At Mecwin Technologies, our mission is to lead the way in transforming our world into a greener, more sustainable place. We are dedicated to innovating and delivering solutions that not only meet the needs of today but also preserve the planet for future generations."



Core Values

Sustainability: Our decisions and actions prioritize sustainability, from product development to daily operations.

Innovation: We foster a culture of innovation that continuously seeks novel ways to drive sustainability.

Customer-Centricity: We aim to exceed customer expectations by offering sustainable solutions that create value.

Collaboration: We believe that solving global sustainability challenges requires collaboration with partners, stakeholders, and communities.

Integrity: Our commitment to ethical conduct guides everything we do.



Our Founders



Mrs. Asharani S S
Co – Founder & Director

With 16+ years in Sourcing, Supply Chain, and Manufacturing of Electronic Products, she excels in optimizing operations and cost-effective sourcing. Her expertise includes vendor management, logistics, and process improvement. An MBA in Material Management from ICFAI backs her strategic and technical acumen. She leads cross-functional teams to drive growth in the electronics industry.

Dr. Shivakumar H M
Co – Founder & Director

With 18+ years in Product Innovation and Development, he specializes in pumps, solar panels, controllers, and EV powertrains. A Six Sigma Black Belt, he excels in process optimization, quality control, and cost reduction. His deep Lean Manufacturing expertise drives efficiency and innovation. He's a key player in delivering high-performance, cost-effective solutions.



Our Founders



Mr. Nishith Shekdar
Director

A seasoned professional with diverse 35+ years of experience across Renewable Energy, E-Mobility, Steel, Automotives, and Consumer Goods sectors. Currently serves on the Advisory Board of Directors at Mecwin Technologies India, Bengaluru/Pune.

Holds an MBA in Marketing, Supply Chain & Strategy from INSEAD (France/Singapore) and a Master's in International Business from IIFT, Delhi. Certified in mySAP Supply Chain Management from SAP Academy, Singapore, with a Bachelor's in Industrial & Production Engineering from SGSITS, Indore.

Why Choose Mecwin ?

Innovative Solutions

At MECWIN, we lead with cutting-edge technology and forward-thinking solutions. Our team constantly explores and integrates the latest advancements to ensure you benefit from the most effective and efficient methods available.

Expertise and Experience

Our team comprises industry veterans with extensive experience in their respective fields. This expertise allows us to tackle complex challenges with precision and deliver results that exceed expectations.

Customer-Centric Approach

We prioritize your needs and tailor our services to fit your specific requirements. Our dedicated customer support ensures a seamless experience, from initial consultation to ongoing assistance, making sure your goals are our top priority.

Commitment to Excellence

We are dedicated to maintaining the highest standards of quality in all that we do. Our rigorous quality control processes and commitment to continuous improvement ensure that you receive the best possible service and products.

Sustainable Practices

We are committed to sustainability and incorporate eco-friendly practices into our operations. By choosing MECWIN, you align with a partner that values environmental responsibility and contributes to a greener future.

Competitive Advantage

Our innovative solutions and strategic approach provide you with a competitive edge in the market. MECWIN's expertise and resources empower you to achieve your business objectives efficiently and effectively.

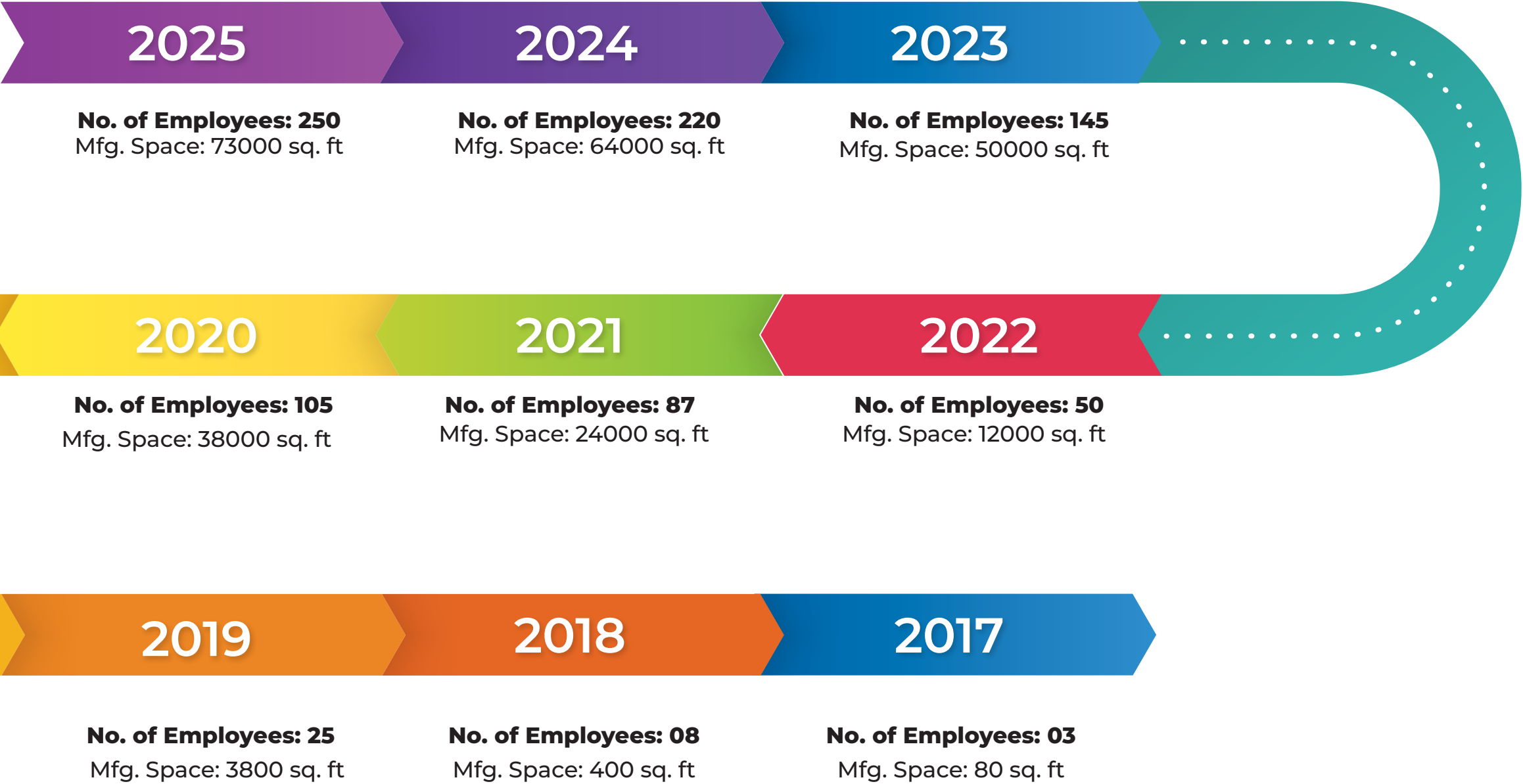
Customer-Centric Approach

We view every client relationship as a partnership. We work closely with you to understand your unique needs and collaborate on solutions that drive success. Your satisfaction is our measure of success.

Scalable Solutions

Whether you're a small startup or a large enterprise, MECWIN offers scalable solutions that grow with you. Our flexible services adapt to your evolving needs, ensuring long-term value and growth.

Milestone



OUR COMPANY

1



LEADERSHIP

We are driven by passion and supported by strong expertise in the automotive and technology industries.

2



CAPABILITIES

We combine proprietary design and technology with state-of-the-art manufacturing facilities to deliver customer delight.

3



SUSTAINABILITY'S

We believe that if each of us treat the planet with utmost respect, it will pay us back multi-fold.
We are proud to be India's leading automotive component manufacturer for greener world

4



CAREERS

We are creating a vibrant community of innovators and thought leaders who are keen to solve today's problems for a better tomorrow.

MECWIN AC& DC Motors

Submersible Water Pumps

Submersible pumps range from Mecwin Solar support varied applications like field irrigation or supplying potable water for your communities, while drawing water from underground water sources like bore-wells or sumps.

Surface Water Pumps

Surface pumps range from Mecwin Solar support varied applications like field irrigation or supplying potable water to your communities, while drawing water from nearby water sources like lakes, ponds, canals or rivers.

Benefits

Reduce Electricity Costs: Sunlight is free. Solar pumps can eliminate energy bills associated with grid electricity or diesel.

Lower Maintenance: Fewer mechanical parts compared to diesel pumps. No fuel is needed.

Reliable in Rural Areas: Provides uniform water supply without depending on erratic rural electricity supply.

Environmentally Clean: Solar energy does not cause air or noise pollution or greenhouse gases.

Require No Tailing: Can access water in remote locations without needing electric lines or roads.

Subsidies Available: Govt. capital subsidies are available for farmers adopting solar pumps. Lowers the initial cost.



MECWIN MPPT Controller

- Easy configuration for BLDC/PMSM/ACI Motors
- Designed to run even in low solar power
- Specially designed for 1hp to 10hp, DC/AC solar motors
- Higher performance with in-built MPPT
- Thermal overload shutdown to avoid damage to the controller
- Robust Modbus transceiver with ESD, EFT & surge immunity
- RMS is capable of MQTT or HTTP data uplinks implementations
- GSM/GPRS-based solar drive monitoring unit
- Location mapping via network coordinates
- Nano SIM support & SIM ESD protection
- Compatible with external antenna & extendable Micro-SD up to 64GB



MECWIN IOT

Mecwin is among the select few companies that have successfully implemented and delivered water pumps with RMS (Remote Monitoring System) technology. As technology advances and market demands evolve, it is imperative to upgrade our products. Therefore, we are committed to researching and integrating advanced technology into our water pumps, along with enhanced feature updates, to meet the needs of our customers and stay at the forefront of innovation.

Features

Real-Time Monitoring :IoT collects data constantly, helping businesses track equipment and environments instantly.

Predictive Maintenance :Sensors spot problems early to prevent breakdowns and reduce repair costs.

Better Efficiency: Remote monitoring automates tasks and reduces the need for manual work.

Increased Safety :IoT helps detect risks like unauthorized access or system issues to keep things safe.

Cost Savings :Less manual work, fewer breakdowns, and smarter resource use save money.

The [Mecwin Nethra 4G app](#) is available on the Google Play Store .
For more information, you can visit the official website at mecwinnethra.com

Possible Applications :

- Pump Automation and Monitoring
- Lighting Control (Platform and Street Lighting)
- Lift and Escalator Monitoring and Control
- Substation Monitoring
- Traffic Flow Optimization (Air, Water, Land)
- Cloud-Based Monitoring and Control
- Predictive Maintenance
- Energy Management System
- Fault Detection and Diagnostics
- Environmental Monitoring
- Asset Tracking and Management
- Smart Irrigation Control
- Emergency Response Integration



EV HUB MOTORS



5 INCH HUB MOTOR

250W – 350W

36V-48V



10 INCH HUB MOTOR

550W – 1500W

48V/60V/72V

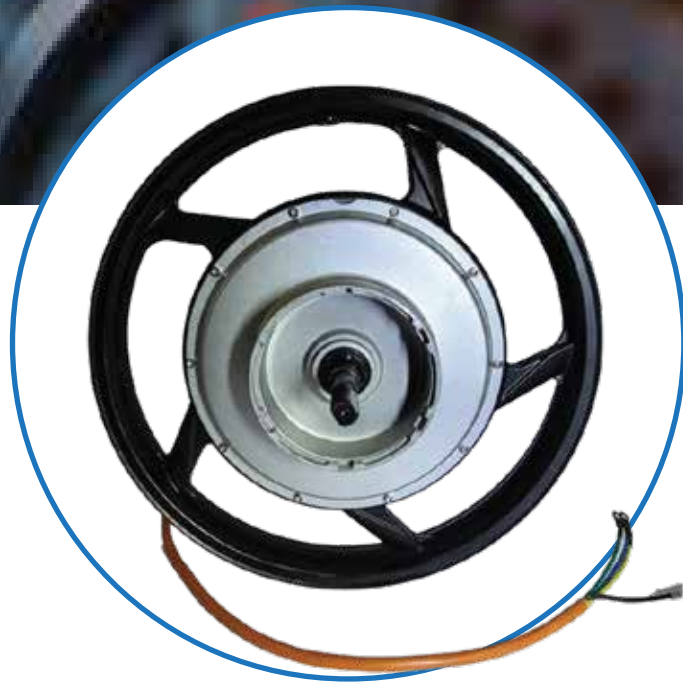


12 INCH HUB MOTOR

550W – 3000W

48V/60V/72V

EV HUB MOTORS



14 INCH HUB MOTOR

550W - 1500W

36V-48V



16 INCH HUB MOTOR

550W - 1500W

48V/60V/72V



17 INCH HUB MOTOR

1500W - 3000W

48V/60V/72V

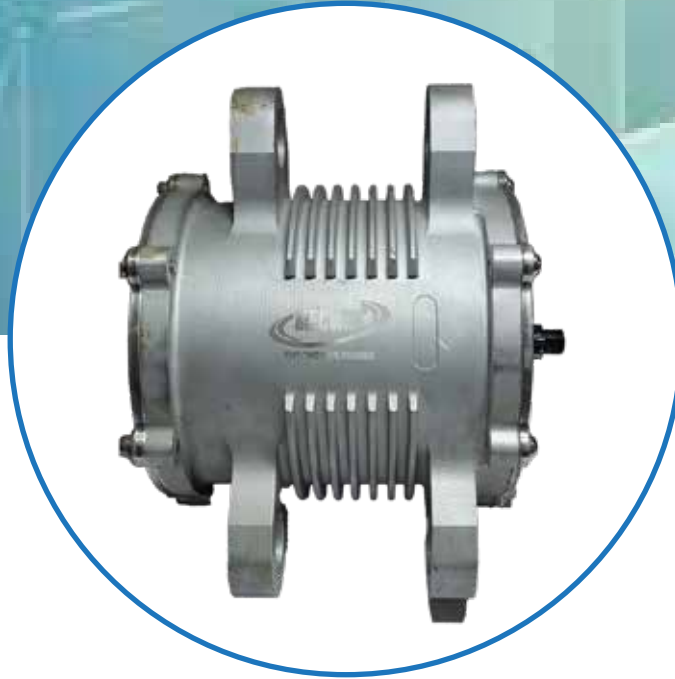
MID DRIVE MOTORS



MID DRIVE MOTOR

1000W – 1500W

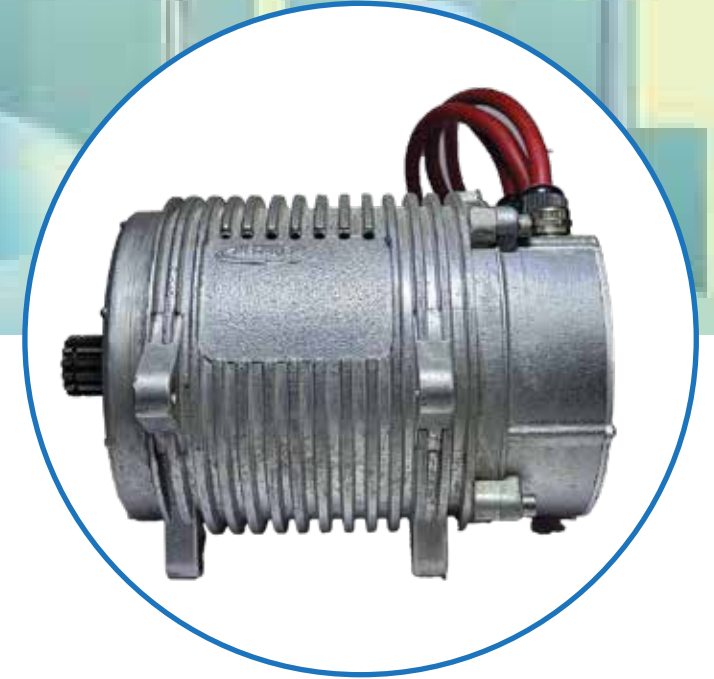
48V/60V/72V



MID DRIVE MOTOR

1500W – 3500W

48V/60V/72V



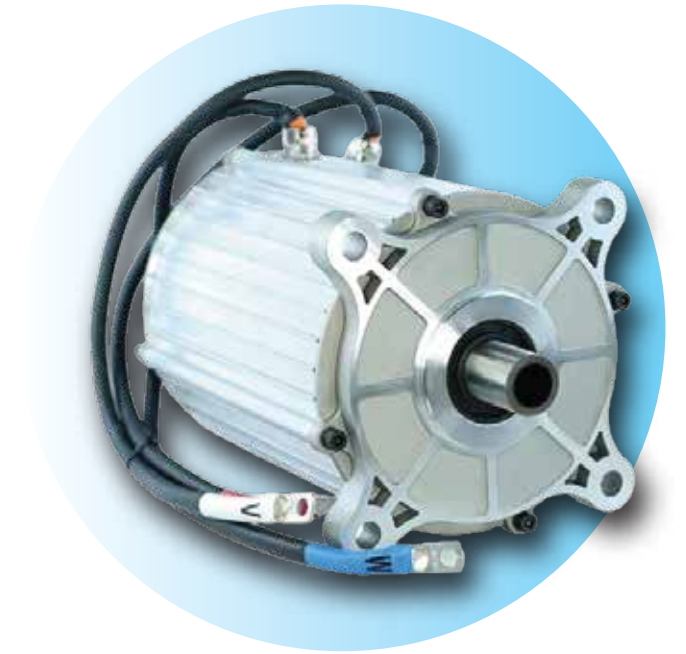
MID DRIVE MOTOR

1800W – 3200W

48V/60V/72V



- Working Voltage: 250–400V
- Speed Range: 0–2100 rpm
- Rated Power: 34 kW
- Peak Power: 60 kW
- Rated Torque: 160 N·m
- Peak Torque: 220 N·m
- Efficiency: >95%



- Working Voltage: 250–350V
- Speed Range: 0–1800 rpm
- Rated Power: 25 kW
- Peak Power: 57 kW
- Rated Torque: 145 N·m
- Peak Torque: 250 N·m
- Efficiency: >92%

Special Purpose Motors



BLDC Motor

- Weight: 0.84 KG
- Max Power: 2700 W
- Motor KV: 190
- Max Current: 75 A
- Max Speed: 10,000 rpm
- Max Torque: 7.5 Nm



Electronically Commutated External Rotor Motor:

- Power Range: 0.10 to 6 kW
- Voltage Ranges:
 - 1~200-277V 50/60Hz
 - 3~200-240V 50/60Hz
 - 3~380-480V 50/60Hz
- Features:
 - Integrated motor protection
 - Active temperature management



Synchronous External Rotor Motor:

- Output Range: 0.1 to 7 kW
- Input Voltage: 1~230V 50Hz
- 3~230V/400V D/Y 50Hz



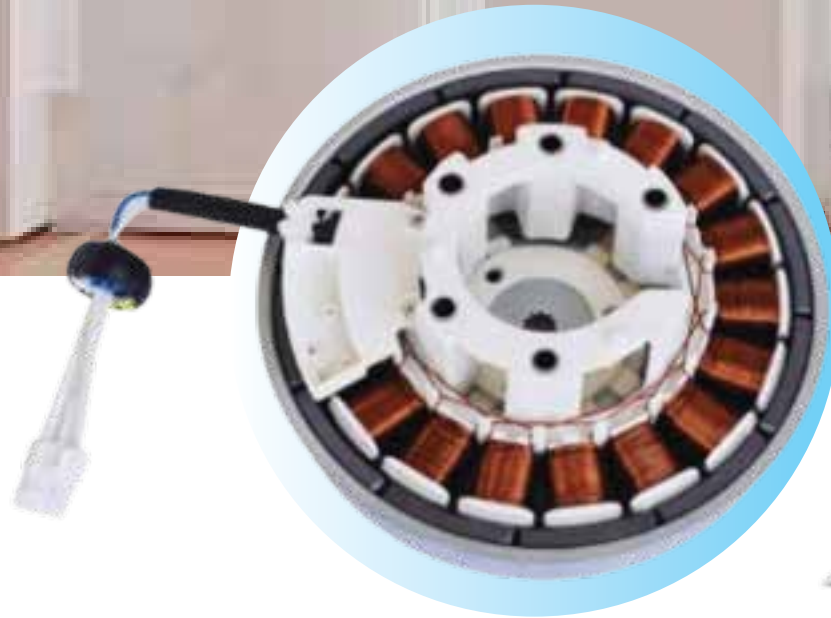
- Rated Voltage: 13.5 V
- Operating Voltage: 9-16 V
- Max Current: 1.1 A
- Operating Temperature: -40°C to 85°C

Home Appliances



Fan Motor

- Voltage: 220V/380V
- Power: 400W/750W/1200W/1500W
- Rated Torque: 43N.m-270N.m @ 100rpm to 55rpm
- Max speed: 90rpm to 120rpm
- Max Dia: 225mm to 384mm
- Weight: 10.5 to 35KG



Washing Machine Motor

- Voltage: 280V
- Power: 100-400W
- Rated Torque: 1.67N.m to 3.35N.m
- Max speed: 400-800 RPM



Tank Pump / Daiphragm Pump

- IP24 / IP65 – Splash proof
- Easy access tank
- Built in spirit level
- Plug & Play
- Available with shaded Pole



Transport, Logistics & Material Handling

Capable to produce both induction and pmsm – clean and environmental friendly drive system without any pollution and noise.

These motors will have high starting torque, with a high overload factor. Furthermore it is highly efficient and maintenance – free motor.

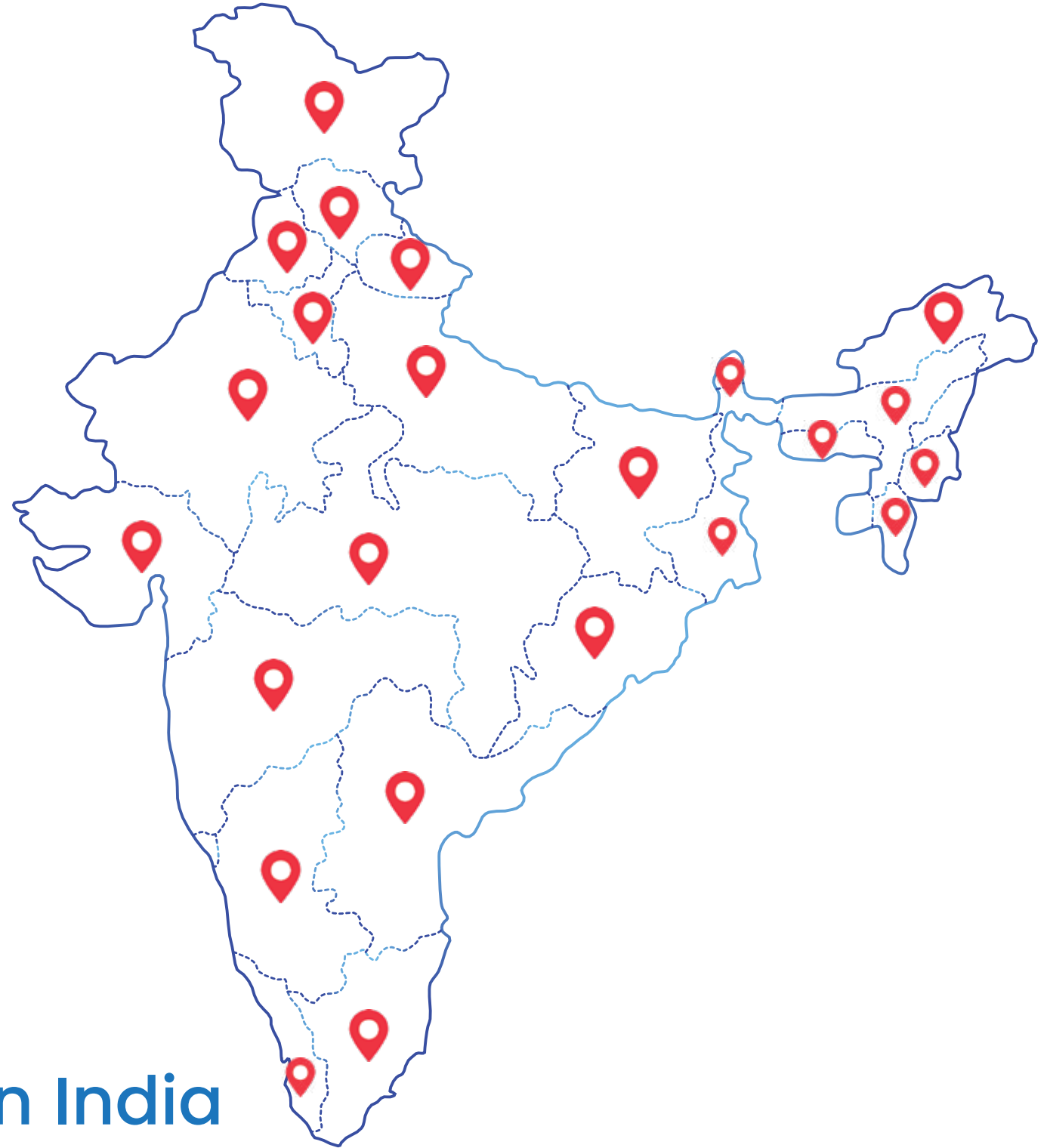
- POWER TILLER
- WEEDER
- TURF APPLICATIONS, LAWN TRACTORS
- LIFTERS
- REPLACEMENT OF HYDRAULIC DRIVES,
- MUNICIPAL VEHICLE (TIPPER APPLICATION)
- COMMERCIAL VEHICLES
- ELECTRIC CARS AND NEV

Additional Information

- All specifications are subject to change without prior notice in line with continuous product improvement and technological advancement.
- Custom voltage and frequency configurations are available upon request, depending on order volume and application requirements.
- Performance data is based on standard testing conditions. Actual performance may vary depending on application, installation, and environmental factors.
- Special Variants on request.

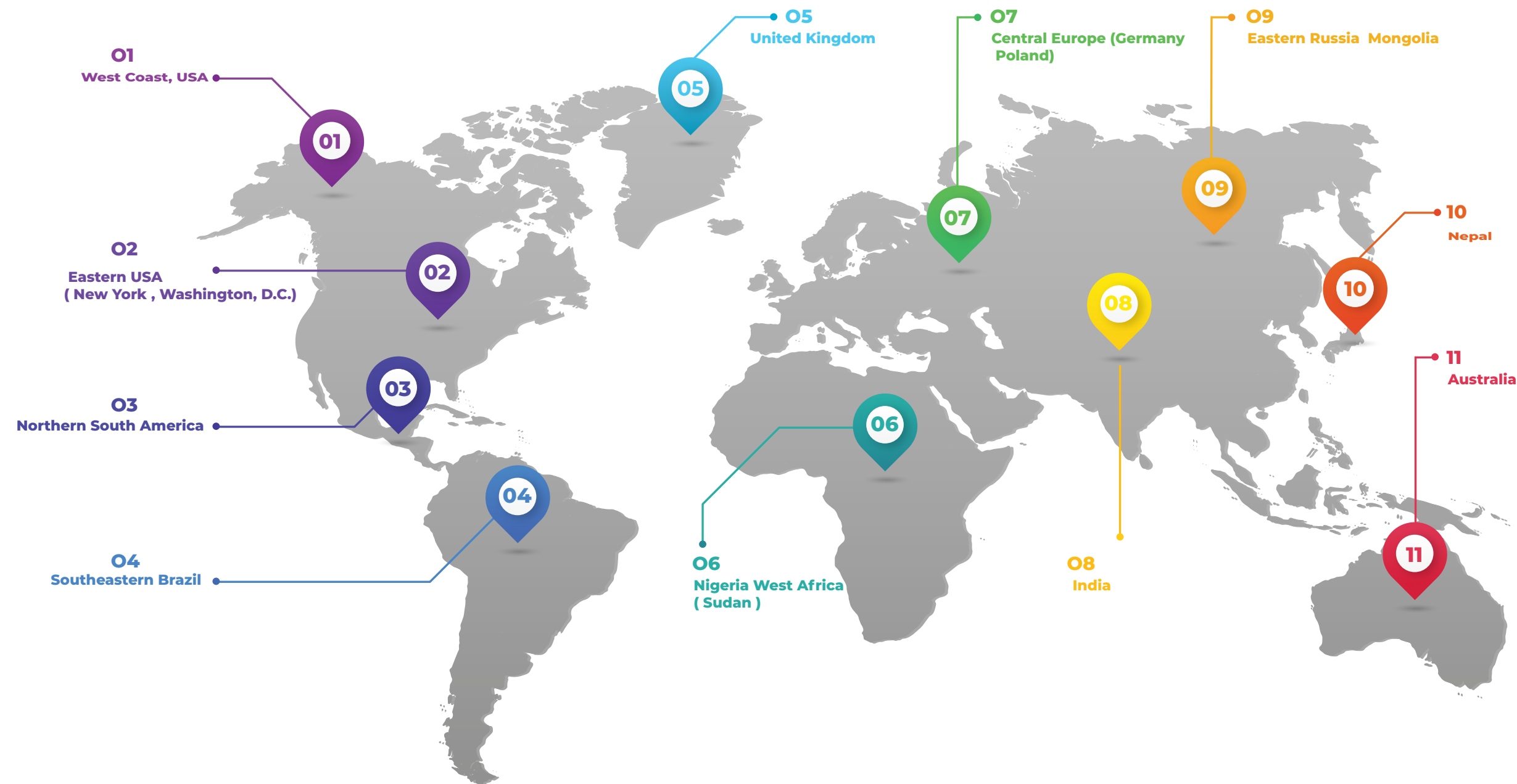


A Network of Service & Support



Our Service & Support team
are directly accessible in Pan India

MECWIN Global Presence



Contact

Mecwin Technologies India Pvt. Ltd.

{ Pumps Manufacturing Plant }

65/3-1, opposite to Super Gas filling station,
Industrial Suburb, Yeswanthpur,
Bengaluru, Karnataka – 560022, India

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Email: csr@mecwinindia.com

Website: www.mecwinindia.com

Mecwin Green Propulsions Pvt. Ltd.

{ EV Motors Manufacturing Plant }

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