MECWIN COMPANY PROFILE

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ABOUT COMPANY

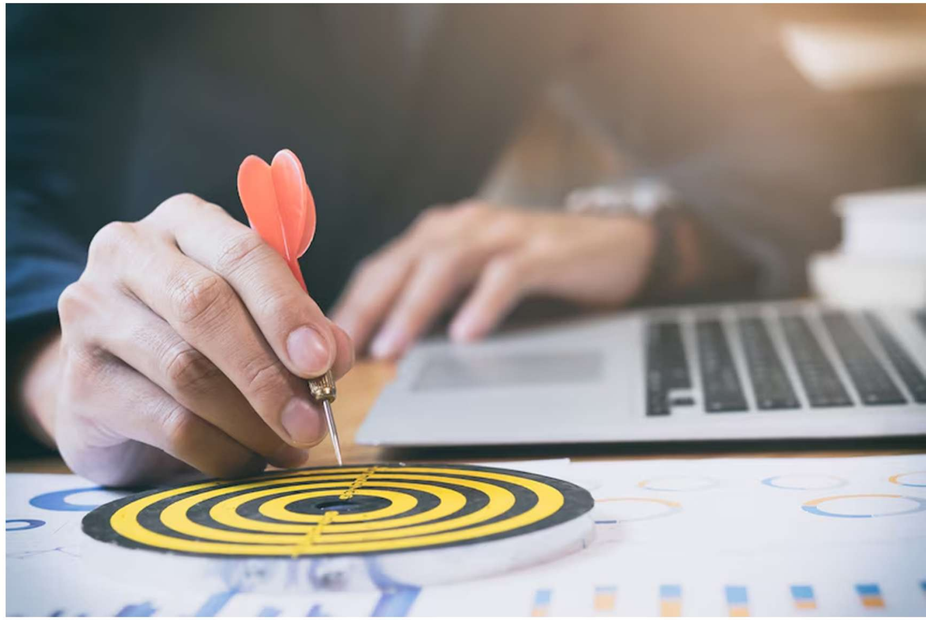
Mecwin is a leading manufacturer of advanced solar pumps, MPPT Controllers, PMSM motors, Fluide pumps,EV motors,Special Purpose Motors used in Medical, Defence, Aerospace.The company is dedicated to delivering innovative and reliable solutions that enhance the performance of energy systemsand industrial 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. Our vision, "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.

Our 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.

FOUNDERS OF THE COMPANY

Mrs.Asharani

Co - Founder & Director

14+ years of deep expertise in Sourcing, Supply Chain Management, Business Development and manufacturing of electronic products. She holds MBA in Material Management from ICFAI.

Dr. Shivkumar H.M

Co - Founder & Director

16+ years of experience in Product Innovation Developmentfor pumps, solar panels, grid synchronizing panel and controller, EV Powertrain among others. He is an expert in LeanManufacturing and a certified Six Sigma Black Belt expert.

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.

MECWIN MILESTONE

A JOURNEY FULL OF MILESTONE

2024
- NO.Of Employees :220
- Mfg.Space :68000sq.ft

2023
- NO.Of Employees :145
- Mfg.Space :50000sq.ft

2022
- NO.Of Employees : 105
- Mfg.Space :38000sq.ft

2021
- NO.Of Employees : 87
- Mfg.Space :12000sq.ft

2017
- NO.OF Employees : 03
- Mfg.Space : 80sq.ft

Mecwin Innovation was established with a mission to drive advancements in manufacturing technology and sustainable solutions.

2018
- NO.Of Employees : 08
- Mfg.Space :400sq.ft

2019
- NO.Of Employees : 25
- Mfg.Space :3800sq.ft

2020
- NO.Of Employees : 50
- Mfg.Space :12000sq.ft

OUR COMPANY

LEADERSHIP

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

CAPABILITIES

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

SUSTAINABILITIES

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 first automotive plant to be co-located on a verdant organic farm.

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 Controllers

- Easy configuration for a class of motor types
- Designed to run even in low solar power
- Specially designed for 1hp to 10hp, DC/AC solar motors
- Higher performance with in-build MPPT
- Thermal overload shut down 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 co-ordinates
- Nano Sim Support & Sim ESD protection
- Compatible with external antenna & extendable Micro-SD up to 64gB

Submersible Water Pumps

Submersible pumps range from Mecwin Solar supports 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 supports 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.

Feautures

- IEC certified modules with 25 years warranty
- Advance System Safety Protection features like dry run, reverse polarity, low voltage and lightening arrestor
- Longevity Corrosion resistant galvanized iron mounting structures for longer life, withstand wind speed of 150 kmph

Beneifits

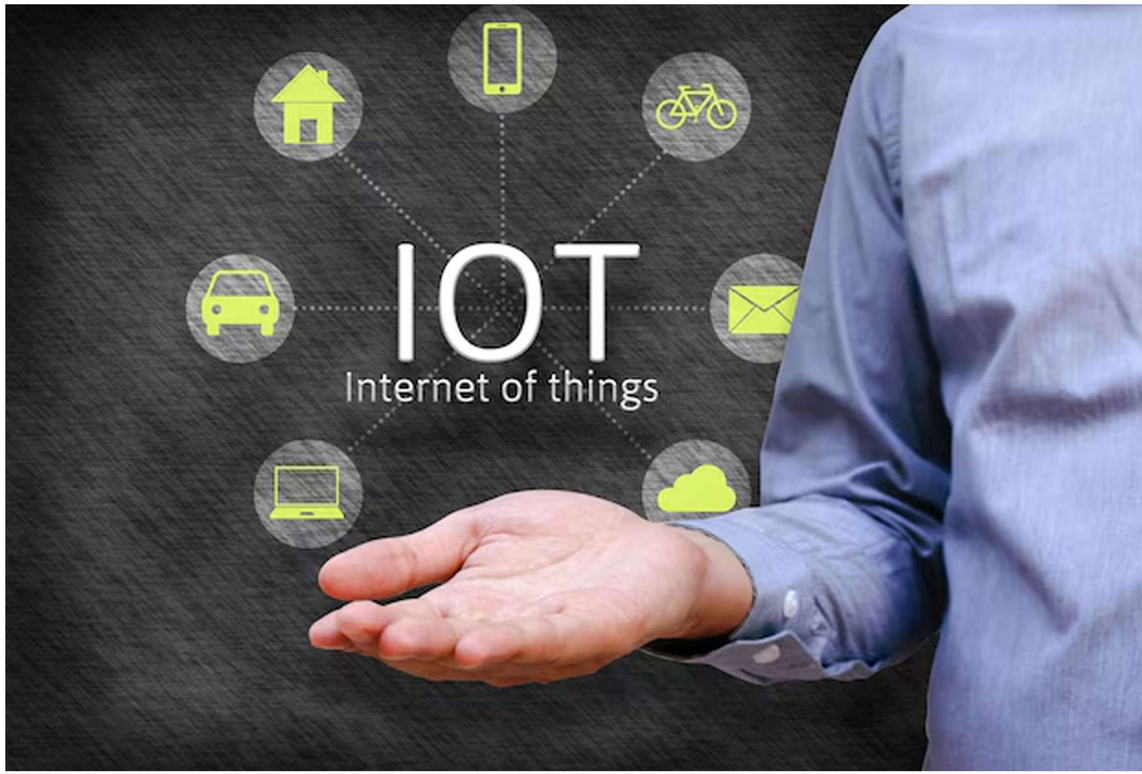
- Grid change over option available to operate with grid power
- Auto ON/OFF feature for utilizing maximum solar energy
- Payback period (as compared to equivalent water from diesel pump) of 2 to 3yrs
- Ideal for areas with low or minimum grid power
- 25 years warranty for the modules and 5 years warranty on pump and controller

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 :

- Advanced Modem – higher coverage and reliability.
- Powerful Micro-controller to enhance performance.
- Secure MQTT protocols have been implemented
- Works with legacy and Modern networks
- All Cellular Networks are supported for wider coverage
- Faster and relaible operations under various enviromental condition.



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

HUB MOTORS

14 INCH HUB MOTOR

550W-1500W

48V/60V/72V

16 INCH HUB MOTOR

550W-1500W

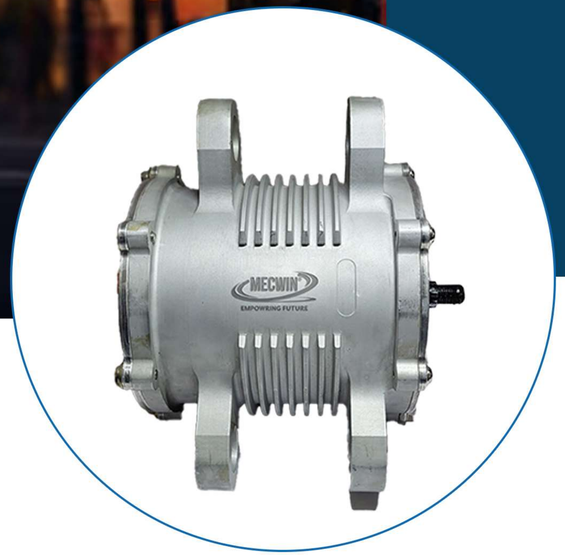
48V/60V/72V

17 INCH HUB MOTOR

1000W-3000W

48V/60V/72V

MID DRIVE MOTORS



MID DRIVE MOTOR

1000W-1500W

48V/60V/72V

MID DRIVE MOTOR

3500-5000W

48V/60V/72V

MID DRIVE MOTOR

1800W-3200W

48V/60V/72V

TRACTION

- Working Voltage : 250-400V
- Speed Range : 0-2100rpm
- Rated Power : 34kw
- Paek Power : 60KW
- Rated Torque : 160N.m
- Peak Torque : 220N.m
- Efficiency : >95%

- Working Voltage : 250-350V
- Speed Range : 0-1800rpm
- Rated Power : 25kw
- Paek Power : 57KW
- Rated Torque : 145N.m
- Peak Torque : 250N.m
- Efficiency : >92%

Motors Used In Application :

BLDC

•Weight: 0.84KG

• Max Power: 2700W

• Motor KV: 190

• Max current: 75A

• Max Speed: 10000 rpm

• Max Torque: 7.5Nm

A synchronous external rotor motors

Output range 0.1 to 7 kW

Input voltage: 1~230V 50Hz,

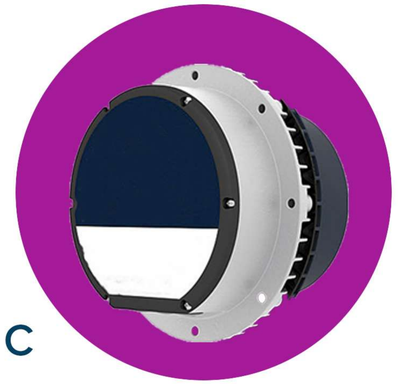
3~230V/400V D/Y 50Hz.

Rated Voltage: 13.5v

Operating Voltage: 9-16v

Max.Current: 1.1A

Operating Temparture: -40d C-85d C



Electronically commutated external rotor motor

Power range 0.10 to 6 kW

Voltage ranges 1-200-277V 50/60Hz,

3-200-240V 50/60Hz and-380-480V 50/60Hz

Integrated motor protection,

active temperature management

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 Motors

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

AEROSPACE

UAV Motors

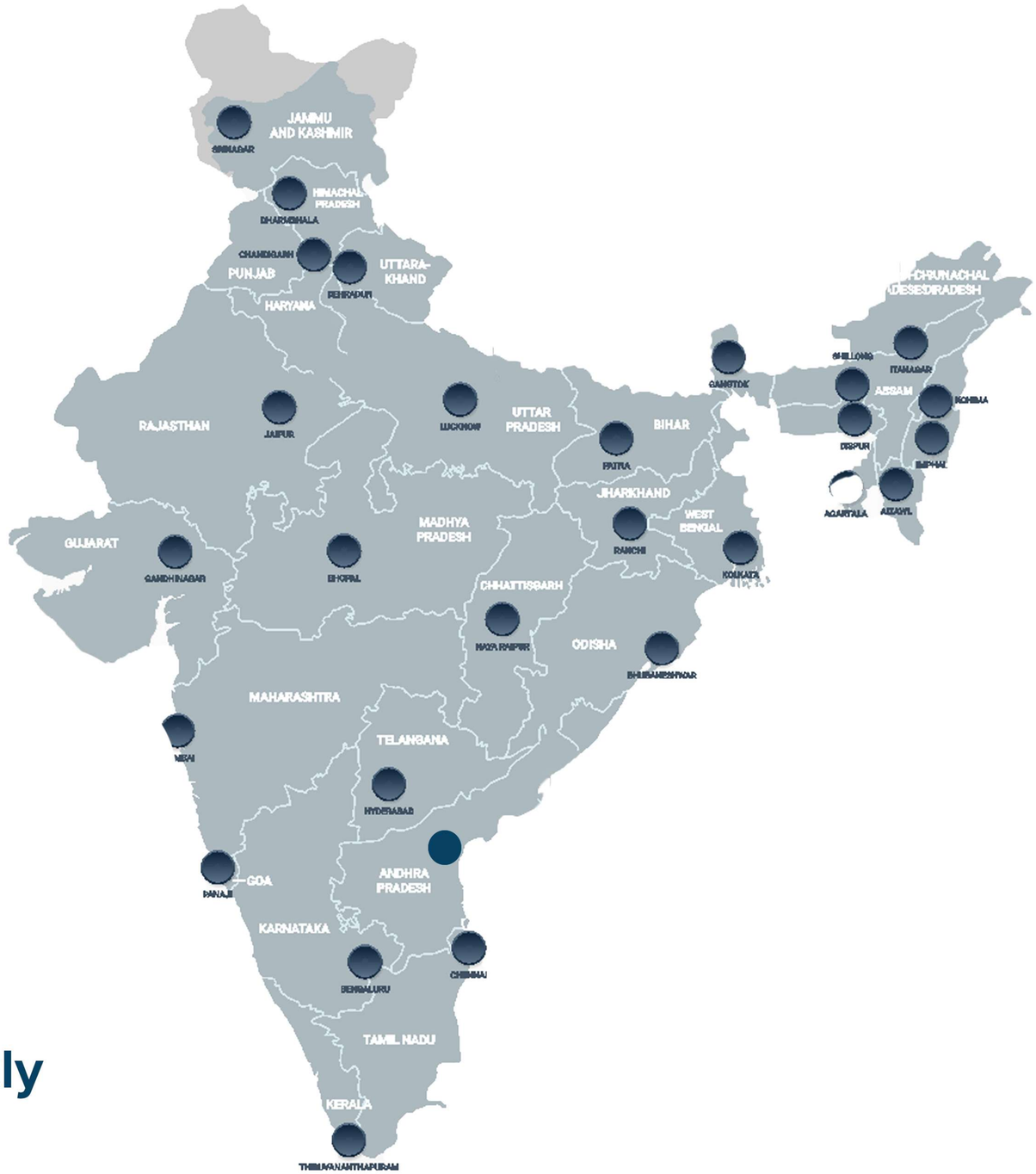
- Voltage: 8-24V
- Current : 8-17A
- RPM : 30000-50000
- POWER : 67-400W
- Thrust :100-950 g

TRANSPORT & LOGISTICS

- FORK LIFT / SCISSOR LIFT Motors
- PMSM MID DRIVE MOTOR
- 24V- 1000W- 1500W(3800 rpm ,28N.m@600rpm)
- INDUCTION MOTOR
- 24V – 1000W-1500W(6300 rpm ,18N.m @600rpm)

- AGV - PMSM LOW SPEED HUB MOTOR
- 10”/12”-
- 48/60/72V-
- 1500-3000W
- Torque :130N.m-150N.m @ 100 rpm to 50 rpm
- Max speed :5-8Kmph

A NETWORK OF SERVICE AND SUPPORT



Our Service & Support team are directly accesible in Pan India.

Mecwin Global Presence

- Libya
- Sudan
- Uganda
- Phillippines
- Dubai
- Srilanka
- Nepal
- Bhutan
- Bangladesh
- Thailand

Contact

Mecwin Technologies India Pvt.Ltd.

{ Pumps Manufacturing Plant }

65/3-1, opposite to Super Gas filling station,
near Ravindu Toyota Car Service centre Industrial
Suburb, Yeswanthpur, Bengaluru, Karnataka 560022 - India

Customer Care : +91 97412 29797
Email : salessolar@mecwinindia.com
www.mecwinindia.com

Mecwin Green Propulsions Pvt.Ltd.

{ Motors Manufacturing Plant }

478/479, Magadi Main Rd, adjacent to Sri Lakshmi Multi
Speciality Hospital,Srigandhada Kaval, Chandana layout,
Sunkadakatte, Bengaluru, Karnataka 560091 - India

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