JAPAN TECHNOLOGY

SN AUTO
Drive Clean - Technologies & Innovation

MAKE IN INDIA

SRM Nikki Auto Systems

COMPANY PROFILE

Company Overview

- SRM Nikki Auto Systems India Private Limited, is a Joint-Venture company between SRM Technologies Pvt. Ltd. (India) and Nikki Co. Ltd. (Japan), catering to automotive components related to fuel control systems and EV drive systems.

SRM TECHNOLOGIES Private Limited (India)

- Established in May 1999, SRM Technologies is part of the renowned SRM Group, a billion-dollar conglomerate with a formidable presence in the fields of education, transport, engineering, hospitality, infotainment and healthcare. SRM Technologies is a leading, global provider of Product Engineering, Manufacturing and Software services.
- www.srmtech.com

NIKKI Co., Limited (Japan)

- Established in 1932, Nikki was the first company in Japan to manufacture carburettors and has been a pioneer ever since in the field of automotive fuel system components. Nikki continues its innovative approach with advanced technology products related to EV and alternate fuels like Hydrogen.
- www.nikkinet.co.jp

Driving Innovation and Sustainability in Mobility

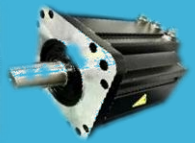
Deliver best-in-class electrical and electronic automotive components.

To provide high-quality, energy-efficient, and lightweight products using advanced technology to minimize fuel consumption and emissions to support global sustainability.

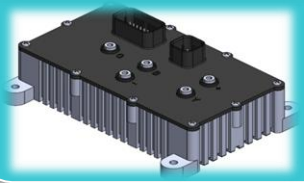
Respond proactively to evolving global emission regulations and decarbonization efforts. Enhance customer value through innovative, sustainable solutions.

Products


Engine Electronic Control Units (ECU) primarily for two wheelers and three wheelers using Gasoline, CNG and Bi-Fuel. We also have products catering to CNG powered buses and trucks.

Electric Vehicle (EV) Motors of 2KW, 6KW Tailored For Scooters, Three-wheelers, And Other EV Applications.



Motor Drive Units designed to optimize EV Motor performance and support higher efficiency: 2-4KW and 6-8KW.

Two and Three-Wheeler ECUs




Designed for single cylinder two-wheelers and three wheelers to comply with required emission regulations.

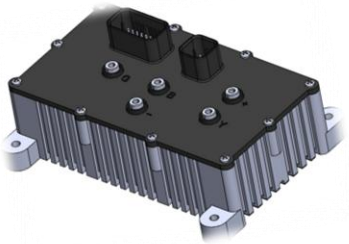
Supports **On-Board Diagnostics (OBD) I & II** for effective fault detection and monitoring.

CAN communication enables fast, reliable real-time data exchange and diagnostic readouts.

In-house development ensures **flexible customization** tailored to diverse customer requirements. Working closely with customers from development to launch.

Deliver with required **regulatory compliance** and optimized performance for mass market two-wheeler and three-wheeler segments.

EV Motor Drive Unit (Controllers)



- **Motor Drive Units (MDUs)** are engineered for a wide range of automotive applications, specifically optimized for 48V and 72V systems with advanced protection and communication feature.
- Designed and developed motors drive unit in Japan and manufacturing in India for the electric vehicles to meet environmental needs in Two-wheelers, Three wheelers, Agri-equipment and Off-road vehicles.
- **Advanced motor management features**
  - FOC control ensures precise and efficient motor operation.
  - MOSFET switching supports robust current handling and responsiveness.
  - CAN communication enables reliable data exchange in complex systems.
- **Durability and performance in harsh environments**
  - High efficiency contributes to reduced energy loss and heat generation.
  - IP65 protection rating safeguards against dust and water ingress.

EV Motors

2kW Motor

6kW Motor

- **EV Motors** are engineered for a wide range of automotive applications, specifically optimized for 48V and 72V systems with advanced protection and communication feature.
- **Model variants** with capacities of 2kW and 6kW, ideally suited for Two-wheelers, Three-wheelers, Agri-equipment, and various off-road vehicles provide efficient and reliable performance for electric propulsion systems.
- **Durability and performance in harsh environments**
  - Maximum output power reaches **4,800W for 2KW motor & 7,600W for 6KW motor,** supporting high-demand operations.
  - Operational speed range from **500 to 6,000 rpm** for versatile performance.
  - High rated efficiency at approximately **90%**, optimizing energy use and reliability.
  - Torque rating of **2kW @ 8.6 Nm & 6kW @ 10.7 Nm,** with short bursts up to **25.4 Nm and 31.6 Nm** for peak loads.
  - Ideal for applications which need critical **performance and reliability.**

THANK YOU

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