

## Battery safety thailand

The battery is the key component of the electric vehicle. As demand for electric cars and vehicles increases, manufacturers need to be confident the high-voltage batteries they use meet international standards for safety, reliability, endurance, and performance.

All battery tests are conducted in accordance with international standards and original equipment manufacturer (OEM) specifications including ISO, IEC, UN ECE, SAE, LV, AK and many more. We can also perform bespoke tests to customer requirements if required.

Electromobility is undergoing rapid technological change. As well as being actively involved with standardization bodies, we offer full consultancy and testing services, helping manufacturers create efficient, economically viable electric vehicles and cars.

With ISO/IEC 17025 laboratory accreditation, lithium battery expertise and over 30 years' experience of the requirements and test methods of vehicle manufacturers, we can meet all your battery testing needs.

Thai Industrial Standards Institute (TISI), the Ministry of Industry and Thailand Automotive Institute (TAI) held the Ground-breaking Ceremony for the Electric Vehicle Battery Testing Center which will be operating in 2020 with the first fully integrated battery safety and standard testing services in ASEAN with international standards, UNECE R100 and R136 and to be the forefront of the electric vehicle industry development in the region.

TAI is the agency which has been accredited by the laboratory of ISO/IEC 17025: 2017 from TISI to be a testing unit for automotive and auto parts standards as specified and continuously develop the Testing and Research Center to enhance the capability to support the next-generation automotive industry in the future. Establishing the Electric Vehicle Battery Testing Center under the support of TISI, the Ministry of Industry and T?V S?D target to push the next-generation automotive and auto parts industry to be a sustainable forefront of ASEAN.

Therefore this electric vehicle battery testing center needs full support to help domestic operators, especially EV battery testing which can reduce their costs and time to send their products for testing abroad and also being consultant and database to enhance technical knowledge, research, and new innovations with cooperation from the government sector, leading companies related in the automotive and auto-parts industry.

It will become the EV battery testing center with the most integrated service in ASEAN and this laboratory will be able to test the battery safety in accordance with the UNECE R100 standards for motor vehicles and UNECE R136 standards for motorcycles including testing capability for research and development to improve the battery performance in cell, module and system level.

Currently, The Board of Investment of Thailand (BOI) has approved 4 investment applications for Hybrid, 4 applications for Plug-in Hybrid and 1 application for BEV and 1 application waiting for BOI approval. In addition, 4 investment companies have already opened for EV battery production to help pushing EV safety standards and upgrade product standards and consumer product safety requirements for the highest testing standards.

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